

# TA-E511/E611

## SERVICE MANUAL

*US Model*

TA-E511

TA-E611

*Canadian Model*

*E Model*

*Australian Model*

TA-E511

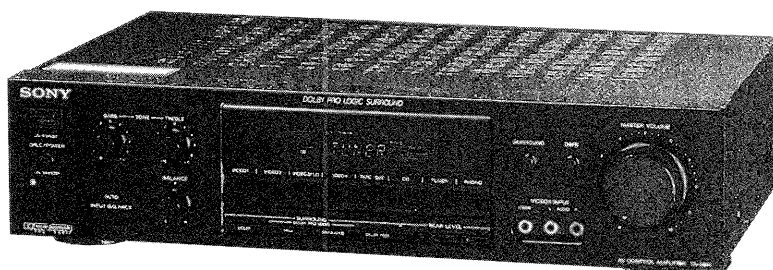


PHOTO : TA-E611

### SPECIFICATIONS

#### Amplifier section

Harmonic distortion (Front)

Less than 0.02% (at 1 kHz, 1.0 V,  
Surround/DRLC: off)

Frequency response (Surround/DRLC: off)

PHONO: RIAA equalization curve  $\pm 1.0$  dB  
TUNER, CD, ADAPTOR, TAPE/DAT,  
VIDEO 1, 2, 3/LD, 4: 10 Hz - 70 kHz  $\pm 1.0$  dB

#### Video section

Video input/output

Permissible signal input level

VIDEO 1, 2, 3/LD, 4: 1.5 Vp-p

Output signal level

VIDEO 1, 2, MONITOR: 1 +0.1 Vp-p  
(with 1 Vp-p input, measured at MONITOR  
OUT)

Impedance (output)

75-ohm unbalanced, negative sync.

#### Audio section

Input

Input jack	Jack type	Sensitivity	Impedance*
PHONO (MM)	Phono	2.0 mV	50 kohms
TUNER, CD, TAPE/DAT, VIDEO 1, 2, 3/LD, 4, ADAPTOR	Phono	150 mV	50 kohms

\*78 IHF

Output

Output jack	Jack type	Sensitivity	Impedance
TAPE/DAT, VIDEO 1, 2, ADAPTOR	Phono	150 mV	470 ohms
OUTPUT FRONT, REAR, CENTER (TA-E611 only)	Phono	1.0 V	1 kohm

Tone controls BASS:  $\pm 7$  dB (100 Hz)  
TREBLE:  $\pm 8$  dB (10 kHz)

Dolby input sensitivity  
500 mV

#### General

AV control amplifier

NF type tone control  
Digital Delay Surround circuit  
Operation circuit matrix type

Power requirements

US, Canadian Models: AC 120V~60Hz 120W  
E Model: AC 120V/230V/240V~50/60Hz 120W  
Australian Model: AC 240V~50Hz 120W

Power consumption

TA-E511: 12 W  
TA-E611: 20 W

AC outlets

4 switched, 480 W/4 A max.

Dimensions

430 x 105 x 295 mm (w/h/d)  
(17 x 4 $\frac{1}{4}$  x 11 $\frac{5}{8}$  inches)

Weight

3.3 kg (7 lb 5 oz)

Accessories supplied

Power amp control cord (1)  
Audio connecting cord (2)  
Remote commander RM-P312 (1)  
Sony Batteries SUM-3 (NS) (2)

Design and specifications subject to change without notice.

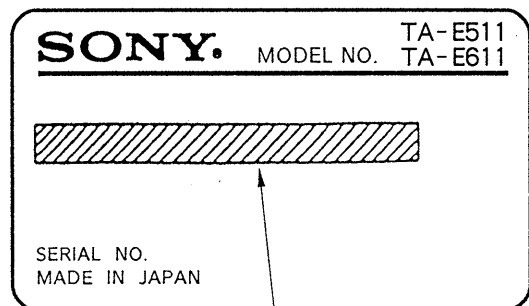
AV CONTROL AMPLIFIER  
**SONY**®

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## MODEL IDENTIFICATION

- Specification Label -



US, Canadian Model : AC 120V ~ 60Hz 120W

E Model : AC 120V/230V/240V

~ 50/60Hz 120W

Australian Model : AC 240V ~ 50Hz 120W

## SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK OR DOTTED LINE WITH MARK ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

## SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

## LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

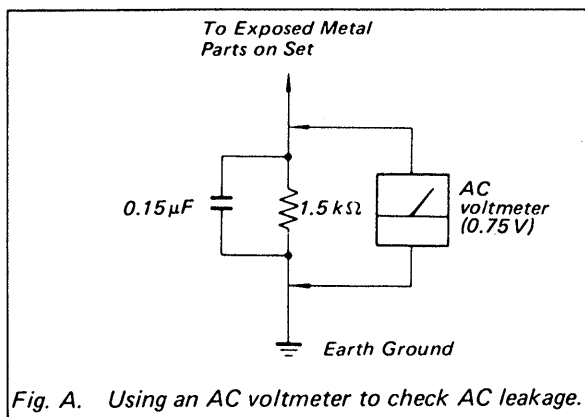


Fig. A. Using an AC voltmeter to check AC leakage.

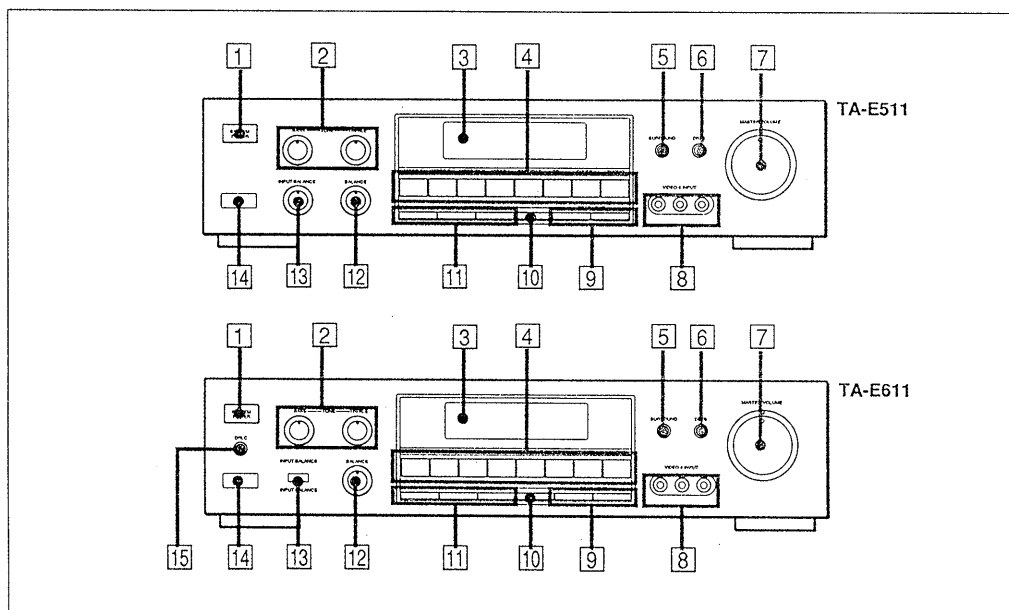
## ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

## SECTION 1 GENERAL

This section is extracted from instruction manual.

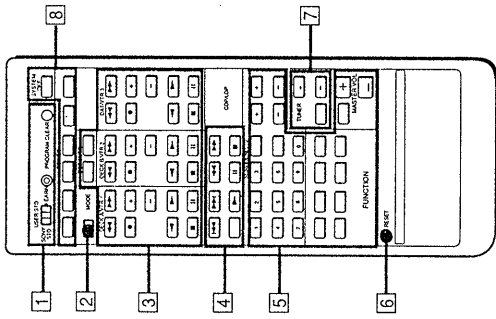
### Location and Function of Controls



- |                                   |   |
|-----------------------------------|---|
| 1 SYSTEM POWER switch             | 11 SURROUND selectors (TA-E511)<br>SURROUND MODE selectors and DOLBY PRO<br>LOGIC buttons (TA-E611) |
| 2 TONE (BASS and TREBLE) controls | 12 BALANCE control  |
| 3 Display window                  | 13 INPUT BALANCE control (TA-E511)<br>AUTO INPUT BALANCE indicator (TA-E611)                        |
| 4 Function selectors              | 14 Remote control sensor  |
| 5 SURROUND button                 | 15 DRLC (Dual Room Link Control) button (TA-E611)   |
| 6 DBFB button                     |   |
| 7 MASTER VOLUME control           |   |
| 8 VIDEO 4 INPUT jacks             |   |
| 9 REAR LEVEL +/- buttons          |   |
| 10 DELAY TIME button              |   |

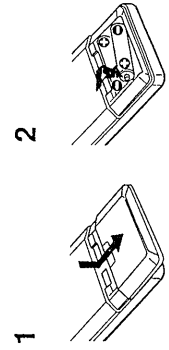
Location and Function of Controls

Programmable Remote Comander RM-P312



Loading the Batteries

Insert two R6 (size AA) batteries with correct polarity.



Battery life

About half a year of normal operation can be expected when using the Sony SUM-3 (NS) batteries. When the batteries are exhausted, the commander can no longer operate the unit. Replace both batteries with new ones.

To avoid battery leakage

When the commander is not to be used for a long period of time, remove the batteries to avoid damage caused by battery leakage and corrosion

To avoid malfunction of the remote commander

Avoid keeping the commander under extremely hot or humid locations.

The RM-P312 can "learn" various functions of other remote commanders which use infrared rays. When the mode selector is set to SONY STD (Sony standard), buttons on the RM-P312 can be used to perform the functions below:

1 Program control section

Mode selector and indicator  
SONY STD: To control Sony equipment.  
USER STD: To control equipment whose remote control functions are stored.  
LEARN: To store functions of other remote commanders emitting infrared rays.  
PROGRAM CLEAR button: Clears the stored functions.

2 MODE selector

Selects the function mode on the remote commander.  
1: To select the function indicated in light gray such as DECK, DAT, CD player and surround mode of amplifier.  
2: To select the functions indicated in blue such as VCR, LDP (Laser disc player) and TV.

3 Tape deck/DAT/VCR control section

ANT (antenna) TV/VTR button: Selects the output signal from the antenna terminal on the VCR, either a TV signal or VCR programs.  
VTR CH (channel) +/- buttons: Select channel on the VCR.  
◀◀◀: Fast winding  
●: Recording  
▶▶▶: Play  
■: Stop  
II: Pause  
REC MODE REV/FWD buttons:  
For reverse recording, press REV and ● together.  
For forward recording, press FWD and ● together.

4 CD/LD player control section

The combined CD/LD player can be controlled with LDP position.  
D.(disc) SKIP: Disc skip (for a CD player equipped with a multi-disc changer)  
▶: Play  
II: Pause  
■: Stop  
◀◀◀: Manual search (only for LD player)  
▶▶▶: Locates a desired selection.

5 Amplifier/TV section

TV/VIDEO button: Selects the input signal of the TV. (for TV)  
Program number (1 to 0) and ENTER buttons: Select the channel. (for TV)  
SURROUND mode selectors (for the AV control amplifier)  
ON/OFF: Turns on/off the surround mode.  
MODE: Selects the surround mode.  
T.(test) TONE: Outputs test tone to each speakers in succession. (only for TA-E611)  
DELAY: Adjusts the delay time.  
FUNCTION selectors: Select an input source of the AV control amplifier. (for the AV control amplifier)  
CENTER VOL./TV VOL. +/- buttons: Control the volume of TV. (The buttons do not function for the AV control amplifier.)  
REAR VOL./TV CH +/- buttons: Control the volume of rear speakers or channel of TV.  
DBFB button: Turns on/off the DBFB (Dynamic Bass Feed Back). (for the AV control amplifier)  
MASTER VOL. +/- buttons: Control the amplifier volume. (for the AV control amplifier)

7 Tuner control section

SHIFT button: Selects a memory page.  
PRESET +/- buttons: Select a preset station.

8 Power control section

SYSTEM OFF button: Turns off the power of the whole system: LDP, VTR, TV, and AUDIO.  
LDP/VTR/TV/VIDEO buttons: Control the power of each unit. (The VTR button can be operative only when TAPE/VTR selector is set to VTR.)

Note:

The ◀▶ (play) buttons in 3 and 4 and the SHIFT button and PRESET +/- buttons in 7 can function without pressing one of the FUNCTION buttons in 5, if the CD player is connected to the CD jacks, the tape deck to the TAPE jacks, and the video deck to the VIDEO 1 jacks (switch the MODE on the remote commander to VTR 1).

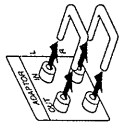
Note on the ● (recording) button under 3 Tape deck/DAT/VTR control section

If your recorder is of such type as pressing ● puts it in recording pause mode, first press ● on this commander and then II.

# Connections

## 1 Connections for surround sound and DRLC (TA-E611 only)

The TA-E511 has a monaural output for rear speakers of the TA-N511.  
The TA-E611 has left and right outputs for rear and DRLC speakers of the TA-N611, and for center speakers which need to be connected through an stereo amplifier.



## 2 Connecting a graphic equalizer, etc.

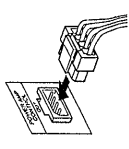
Before connecting the equipment such as a graphic equalizer, remove the shorting plugs.

### Note

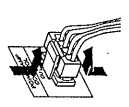
When the equipment such as a graphic equalizer is not connected, be sure to install the shorting plugs. Otherwise, no sound is heard from the speakers.

## 3 Power amp control cord (supplied)

Connect the POWER AMP CONTROL OUT jack on the rear to the POWER AMP CONTROL IN jack of the power amplifier TA-N511/TA-N611. The output of the power amplifier is controlled by the unit.



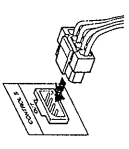
Push in until it clicks.



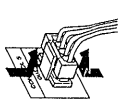
To disconnect.

## 4 Flat remote control cord (not supplied)

Connect to the CONTROL S IN jack of other Sony equipment with the flat remote control cord for whole audio system remote control.



Push in until it c



To disconnect.

## 5 AC OUTLETS (SWITCHED)

Use these to power audio components whose total power consumption is less than the wattage indicated on the AC outlets.  
These outlets are controlled by the SYSTEM POWER switch.

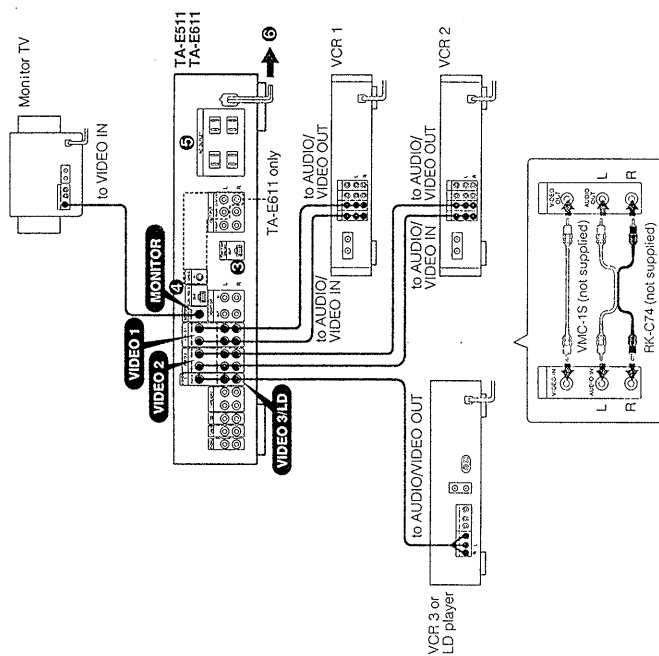
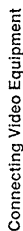
### CAUTION

Do not connect any electrical home appliances such as an electric iron, fan, TV or other high wattage equipment to these AC outlets.

## 6 Power cord

Connect to a wall outlet.

- ## Connecting Audio Equipment



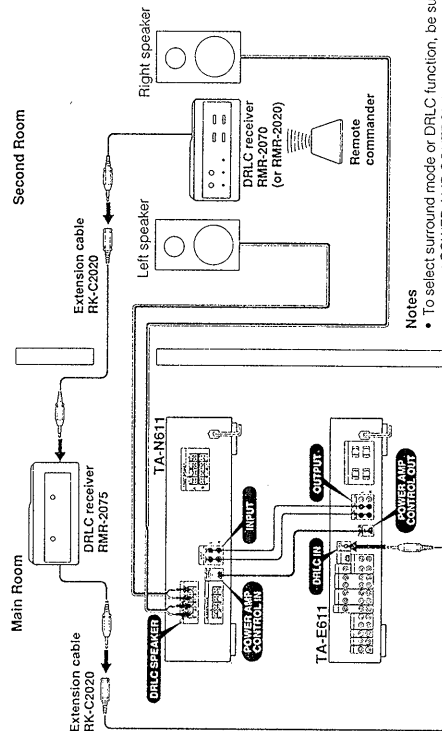
# Function of Dual Room Link Control System (TA-E611 only)

## Connections for Dual Room Link Control System

The Dual Room Link Control (DRLC) allows you to "link" a second room to your main or primary listening room. When the Dual Room Link Control Kit RM-S2070K or RM-S2020K (optional) and optional speakers are connected to your audio system and they are placed in the second room, either the same program source being played in the main room or a different program source can be heard in the second room.

### When using the RM-S2070K

Connect the DRLC RMR-2070, the power amplifier TA-E611, and the speakers for DRLC to the power amplifier.



- Notes**
- To select surround mode or DRLC function, be sure to connect POWER AMP CONTROL jacks.
  - The surround system in the main room and DRLC function cannot be operated simultaneously.

## Operations

- 1 Press DRLC/POWER button. (The SYSTEM POWER switch on the AV control amplifier does not need to be turned on.)
- 2 Control the system with the remote commander for the second room.

The following examples illustrate program source options for the main and second room:

Listening in the main room	Listening in the second room
CD	FM broadcast
Tape	CD
Sound from TV	Same sound from TV
Off	FM broadcast
Sound from video source (with surround effect)	Second room system defeated
FM broadcast	Off

## Notes

- The surround system in the main room and DRLC function cannot be operated simultaneously.
- When the AV control amplifier receives a remote control signal from the second room, the DRLC indicator flashes. During this period, the AV control amplifier cannot receive the remote control signal in the main room.
- You cannot use the following functions from the second room.
  - Surround effect
  - DBFB effect
  - Tone control
  - BALANCE control

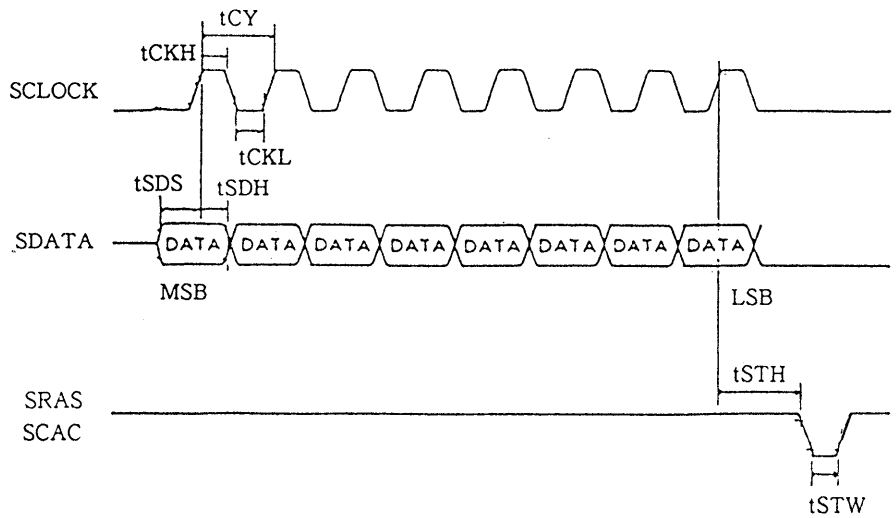
## SECTION 2

### DIAGRAMS

#### 2-1. DESCRIPTION ON IC303 (LV1001M)

Pin No.	Explanations
1	De-couple capacitor for threshold voltage
2, 64	Capacitor for smoothing of rectifier output
3	Capacitor for sliding band filter and Delayed output
4, 62	Capacitor for sliding band filter
5, 61	Capacitor for pre-emphasis
6, 60	Input filter for rectifier
7, 57	Input filter for rectifier
8	Reference voltage
9	Reference voltage
10	Mute control
11	Vcc
12	Output for V <sub>DD</sub>
13	Clock input for serial input, data input for parallel input mode
14	Data input for serial input, data input for parallel input mode
15	Column address selection for serial input, data input for parallel input mode
16	Row address selection for serial input, data input for parallel input mode
18 to 32	Connection to memory device
24	Vss
33	X'tal resonator for oscillator
34	X'tal resonator for oscillator
35	Long or Short mode selection
36	Serial or Parallal mode selection
37	For test mode
38	Smoothing for NR rectifier
39	Smoothing for NR rectifier
40	Capacitor for weighting on side chain path
41	Input for variable resistor
42	NR output
43	7kHz low pass filter output
44	Input for NR
45	Capacitor for de-couple on NR
46	Delay output or NR output
47	Input for mute circuit
48	Output for mute circuit
49	Output for 7kHz low pass filter
50	Input for 7kHz low pass filter
51	GND
52	Input for right channel
53	Input for left channel
54	Capacitor for de-couple on Fixed matrix output
55	Noise shaping and delay input
56	Noise shaping output
57	Delay input signal mode select switch (L + R/L - R)
58	Filter for supply voltage on comparator
63	Capacitor for sliding band filter and local decoder output

Input Address Port Timing  
SHORT MODE



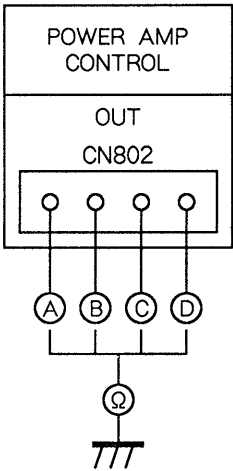
In case of short mode, delay time setting is set in above timing. The date loaded to .SDATA is written on the leading edge timing. In order to select that the data latch for row address strobe or column address strobe is loaded, SRAS or SCAS port is controlled.

When changing delay time setting, meaningless data on a memory are read. this causes the pop noise. when SRAS or SCAS is controlled, mute circuit (pin 55 is input, pin 56 is output) is activated. Mute time is the same as the delay time which is set at that time. (Serial data input mode only, On parallel data input mode, mute circuit is activated by using the mute control port pin 18.)

On long mode, input data number is 9, the way of setting delay time is same.

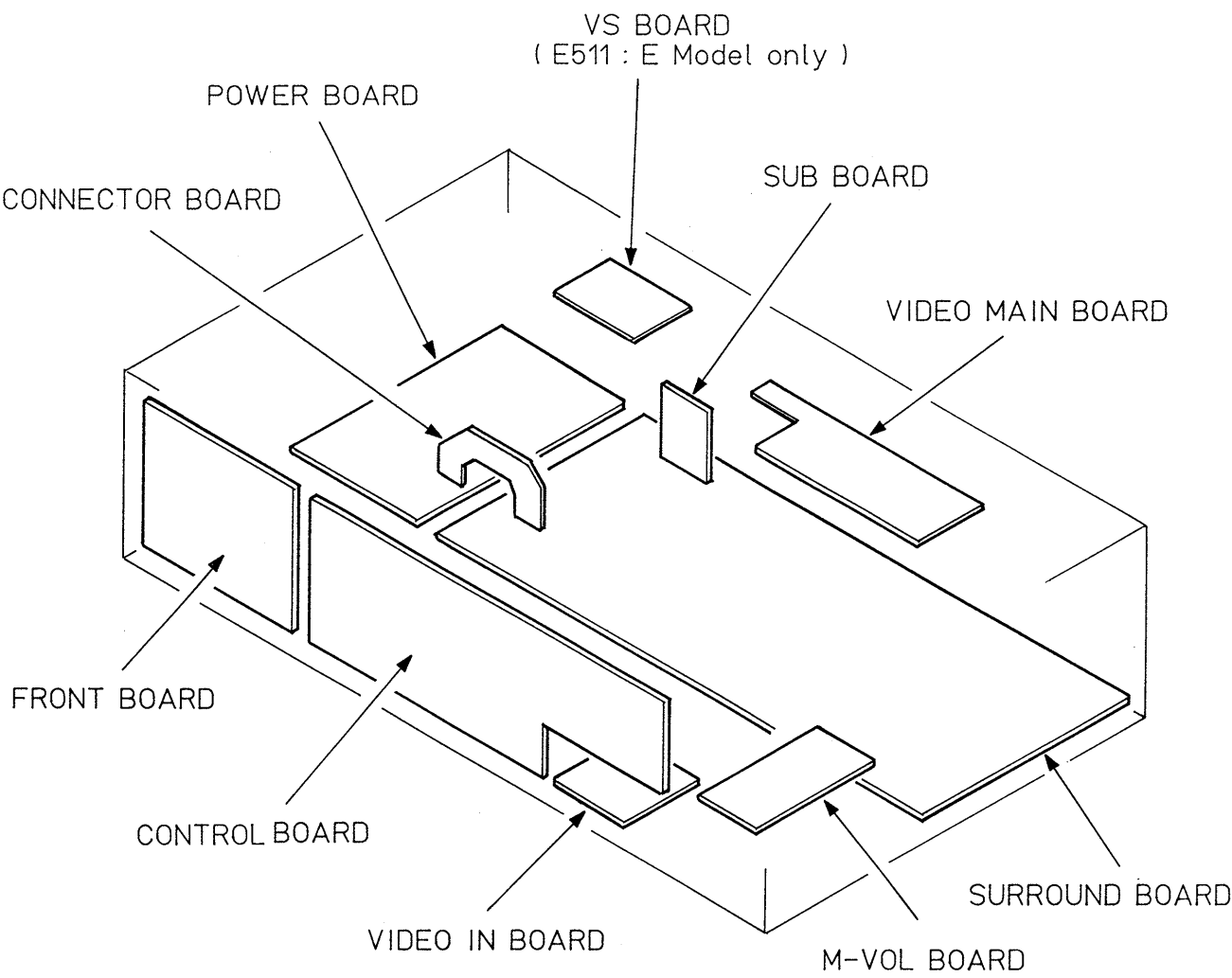
2-1-1. SERVICE NOTE

CN802 (POWER AMP CONTROL OUT)  
(POWER AMP Unconnected Operation Check)

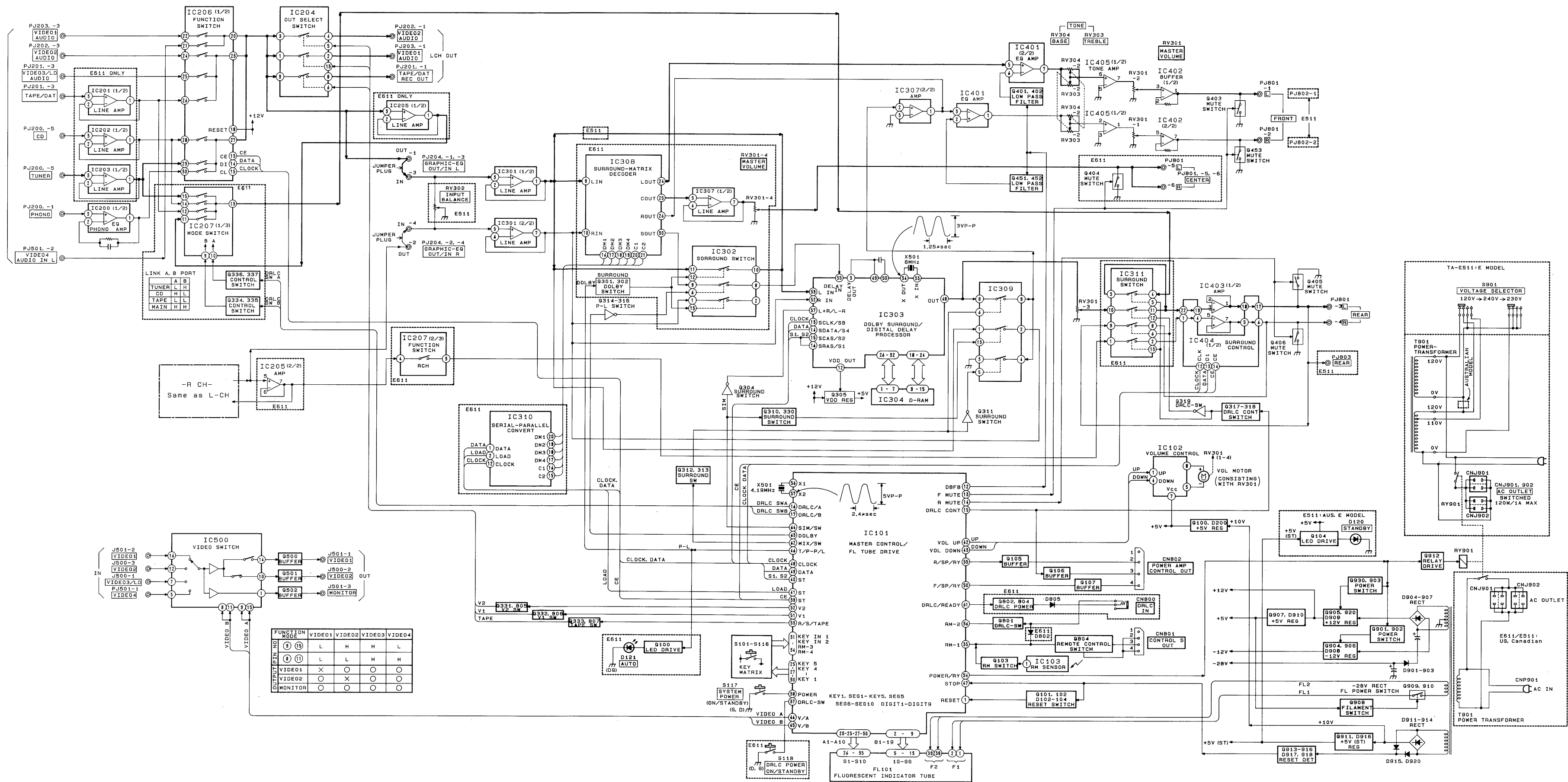


CN802	POWER OFF	POWER ON	SURROUND ON	POWER DRLC ON	DRLC ONLY ON
Ⓐ	$\infty \Omega$	$\infty \Omega$	$\infty \Omega$	$\infty \Omega$	$\infty \Omega$
Ⓑ	0 $\Omega$	0 $\Omega$	$\infty \Omega$	0 $\Omega$	0 $\Omega$
Ⓒ	$\infty \Omega$	$\infty \Omega$	$\infty \Omega$	0 $\Omega$	0 $\Omega$
Ⓓ	0 $\Omega$	$\infty \Omega$	$\infty \Omega$	$\infty \Omega$	20 $\Omega$

2-2. CIRCUIT BOARDS LOCATION



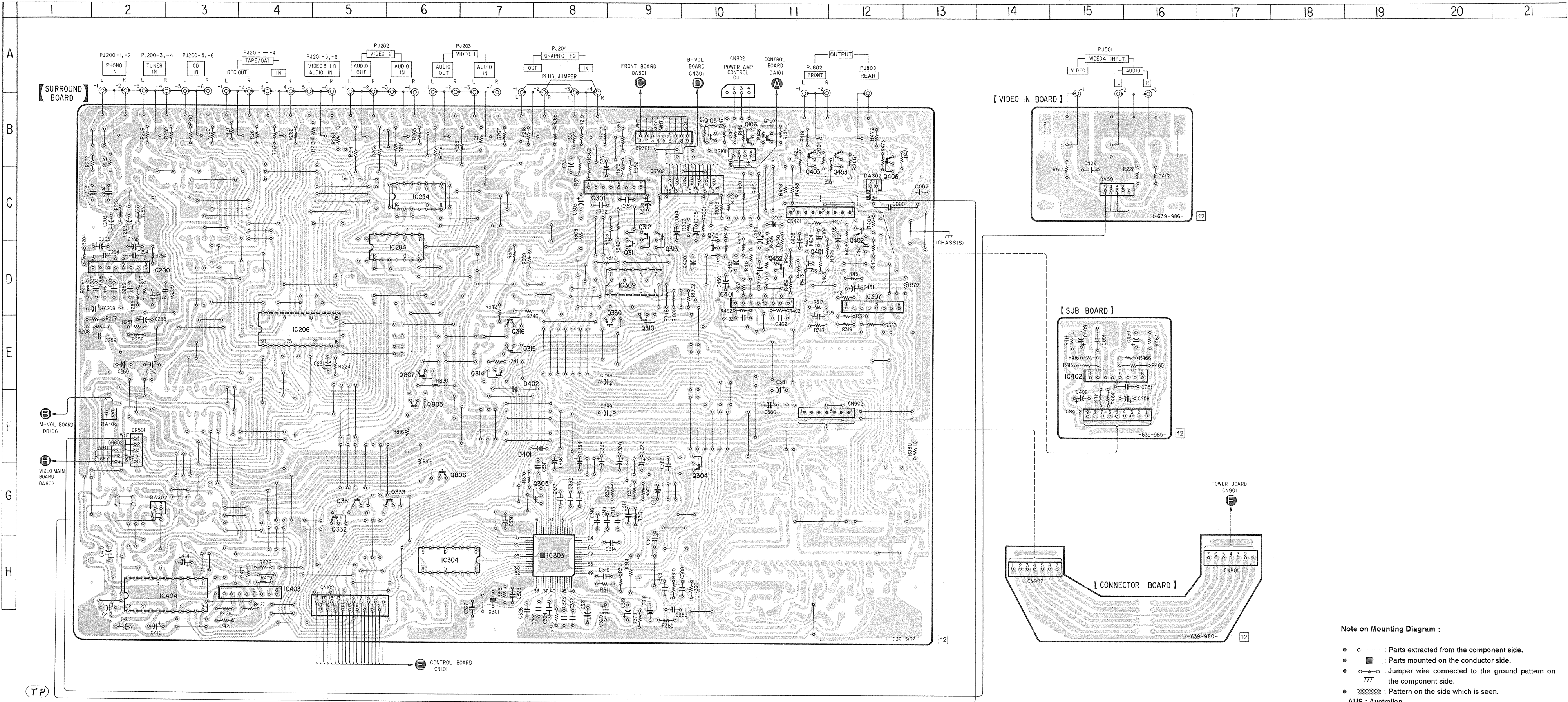
### 2-3. BLOCK DIAGRAM



2-4. PRINTED WIRING BOARDS – SURROUND – (TA- E511) •See page 36 for Semiconductor Lead Layouts.

• Semiconductor Location

Ref. No.	Location
D401	F-8
D402	E-7
IC200	D-2
IC204	D-6
IC206	F-4
IC254	C-6
IC301	C-9
IC303	H-8
IC304	H-6
IC307	D-12
IC309	D-9
IC401	D-11
IC402	E-15
IC403	H-4
IC404	H-3
Q105	B-10
Q106	B-11
Q107	B-11
Q304	Q-10
Q305	Q-8
Q310	F-9
Q311	C-9
Q312	C-9
Q313	C-9
Q314	F-7
Q315	E-7
Q316	E-7
Q330	F-9
Q331	G-5
Q332	G-5
Q333	G-6
Q401	D-11
Q402	C-12
Q403	B-11
Q406	B-12
Q451	D-10
Q452	D-11
Q453	B-12
Q805	F-6
Q806	G-6
Q807	E-6



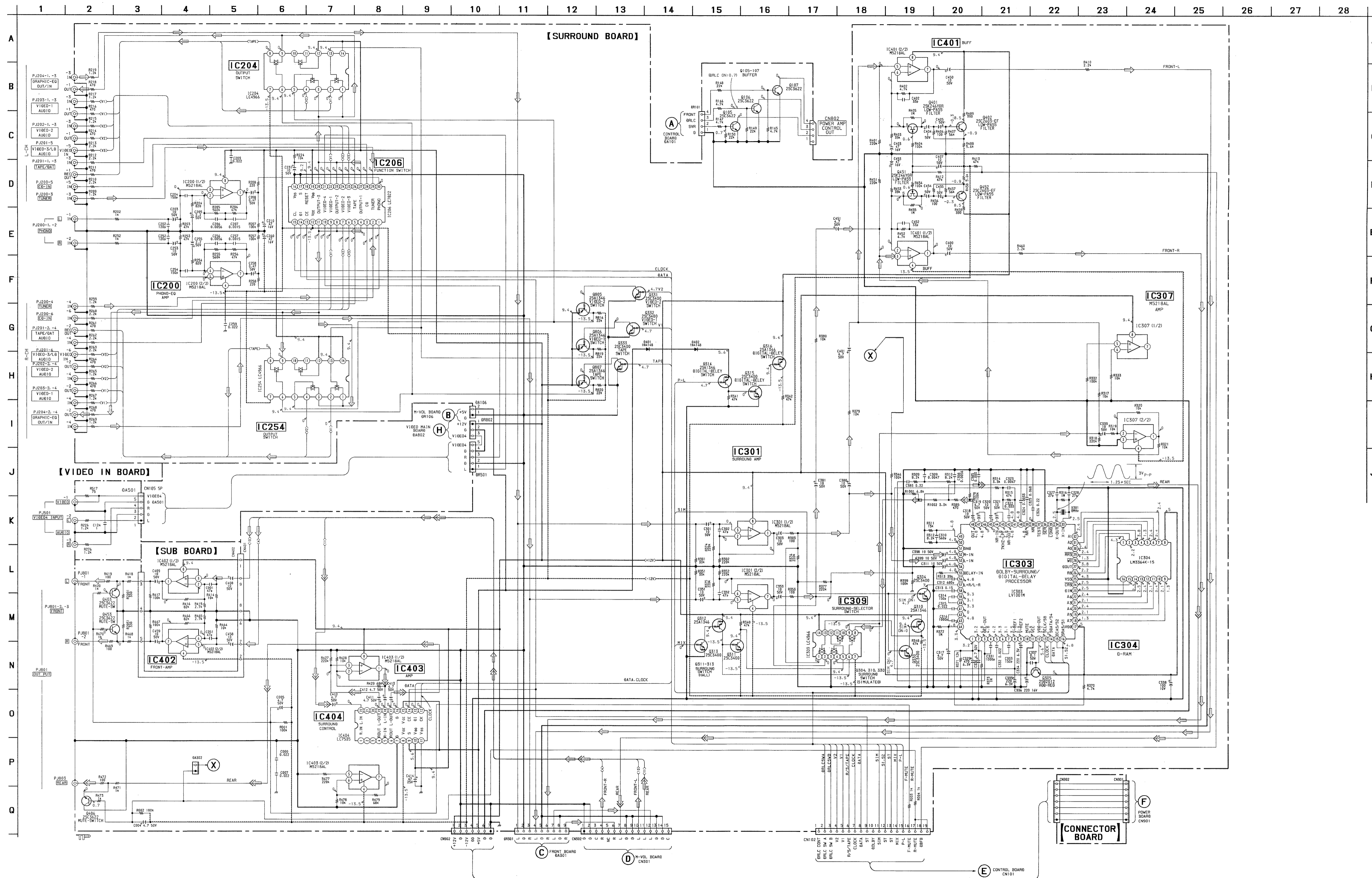
## Note on Schematic Diagram:

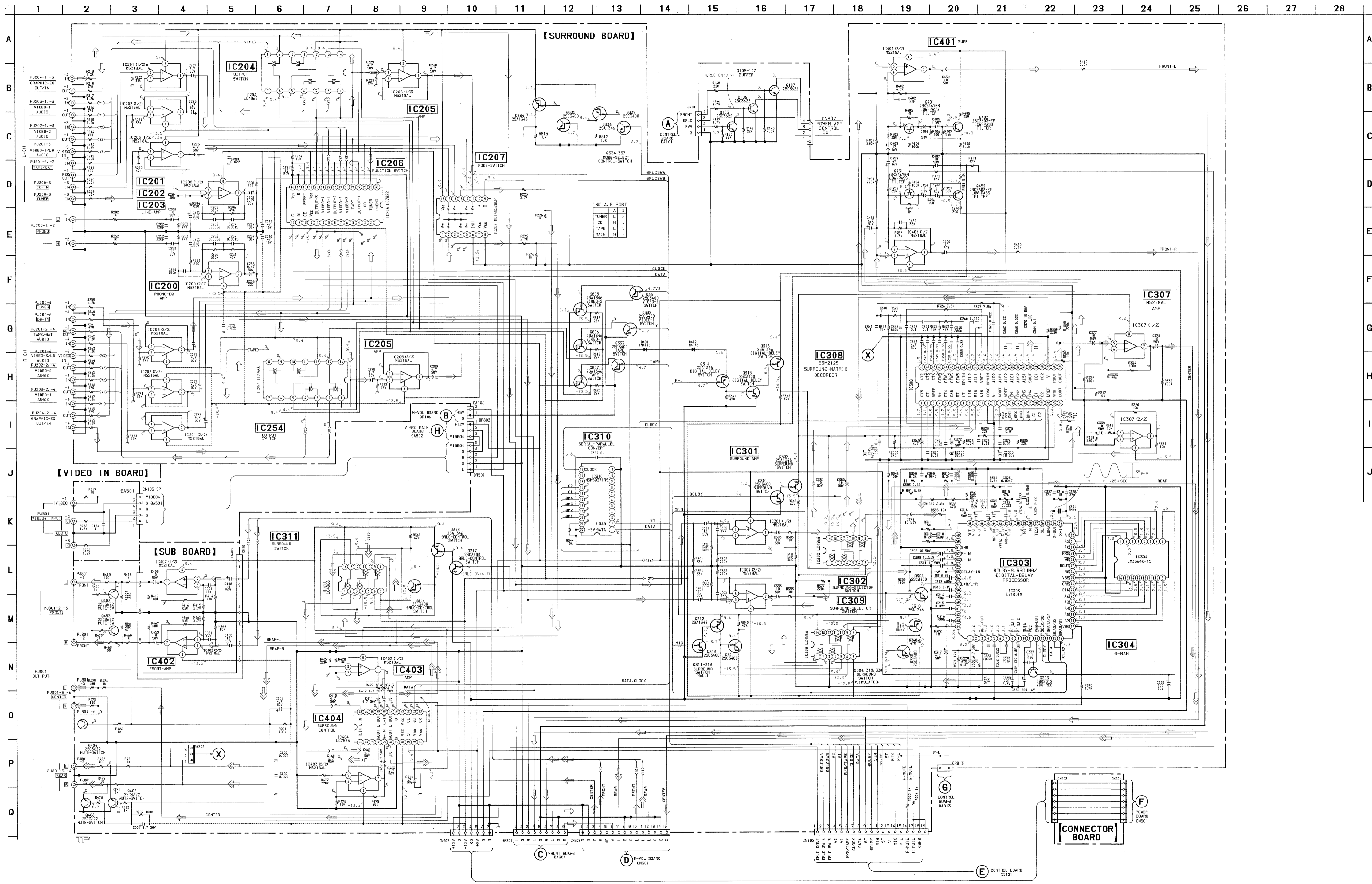
- All capacitors are in  $\mu\text{F}$  unless otherwise noted. pF:  $\mu\text{F}$  50V or less are not indicated except for electrolytics and tantalums.
- All resistors are in  $\Omega$  and  $\text{k}\Omega$  or less unless otherwise specified.
- $\triangle$ : internal component.
- $\square$ : nonflammable resistor.
- $\square$ : fusible resistor.

Note:  
The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety. Replace only with part number specified.

Note:  
Les composants identifiés par une marque  $\triangle$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- $\text{---}$ : B+ Line.
- $\text{---}$ : B- Line.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- Voltages are taken with a VOM (input impedance 10 M $\Omega$ ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with an oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Signal path.
- $\Rightarrow$ : TUNER FRONT
- $\Rightarrow$ : CENTER
- $\Rightarrow$ : REAR
- $\Rightarrow$ : SURROUND(DELAY)
- AUS: Australian
- CND: Canadian





Note on Schematic Diagram :

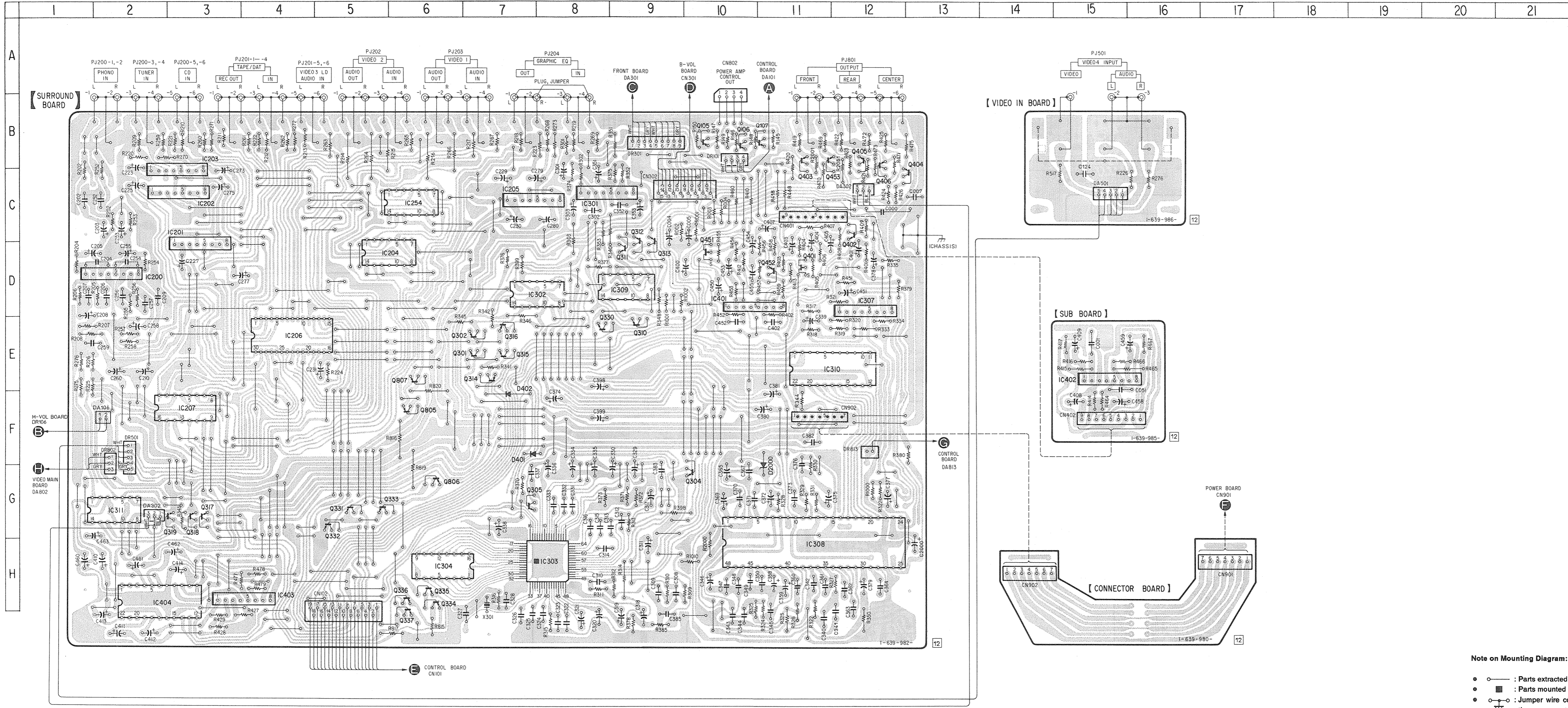
- All capacitors are in  $\mu\text{F}$  unless otherwise noted. pF:  $\mu\text{F}$  50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in  $\Omega$  and  $\text{W}$  or less unless otherwise specified.
- $\Delta$  : internal component.
- $\text{W}$  : nonflammable resistor.
- $\text{W}$  : fusible resistor.

Note: The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- Signal path:
  - $\rightarrow$  : TUNER FRONT
  - $\rightarrow$  : CENTER
  - $\rightarrow$  : REAR
  - $\rightarrow$  : SURROUND(DELAY)
- AUS : Australian
- CND : Canadian

2-7. PRINTED WIRING BOARDS - SURROUND - (TA-E611) •See page 36 for Semiconductor Lead Layouts.



• Semiconductor Location

Ref. No.	Location
D401	F-8
D402	F-7
D2000	G-11
IC200	D-2
IC201	D-3
IC202	C-3
IC203	C-3
IC204	D-6
IC205	C-8
IC206	F-4
IC207	F-3
IC254	C-6
IC301	C-9
IC302	D-8
IC303	H-8
IC304	H-7
IC307	D-12
IC308	H-12
IC309	D-9
IC310	F-12
IC311	G-2
IC401	D-11
IC402	E-15
IC403	H-4
IC404	H-3
Q105	B-10
Q106	B-11
Q107	B-11
Q301	E-7
Q302	E-7
Q304	G-10
Q305	G-8
Q310	F-9
Q311	D-9
Q312	D-9
Q313	D-9
Q314	E-7
Q315	E-7
Q316	E-7
Q317	G-3
Q318	G-3
Q319	F-9
Q330	G-3
Q331	G-5
Q332	G-5
Q333	G-6
Q334	H-6
Q335	H-6
Q336	H-6
Q337	I-6
Q401	D-11
Q402	C-12
Q403	B-11
Q404	C-13
Q405	B-12
Q406	C-12
Q451	D-10
Q542	D-11
Q453	B-12
Q805	F-6
Q806	G-6
Q807	E-6

Note on Mounting Diagram:

- : Parts extracted from the component side.
- : Parts mounted on the conductor side.
- : Jumper wire connected to the ground pattern on the component side.
- /// : Pattern on the side which is seen.
- AUS : Australian
- CND : Canadian

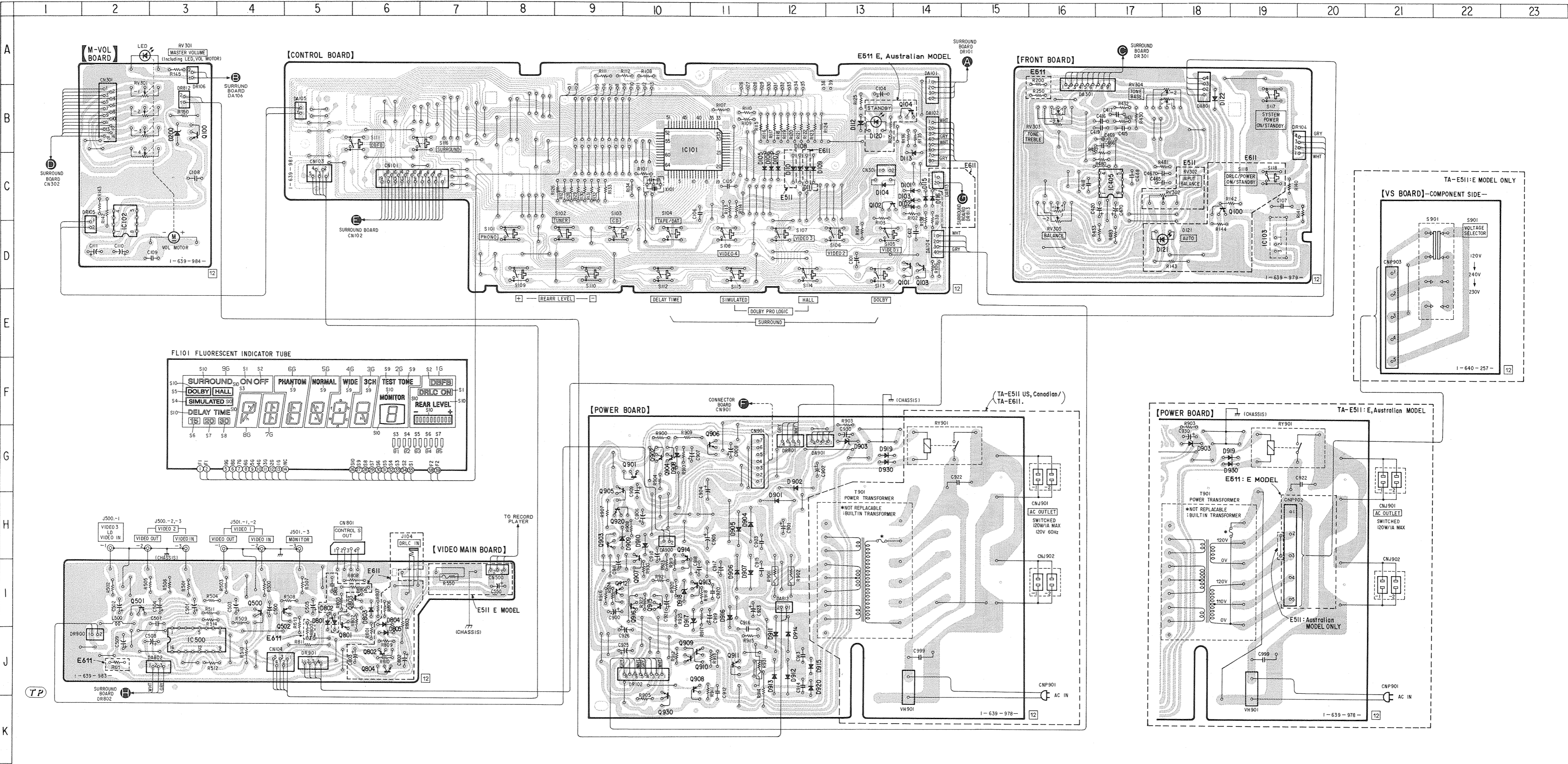
2- 8. PRINTED WIRING BOARDS – CONTROL etc. – •See page 36 for Semiconductor Lead Layouts.

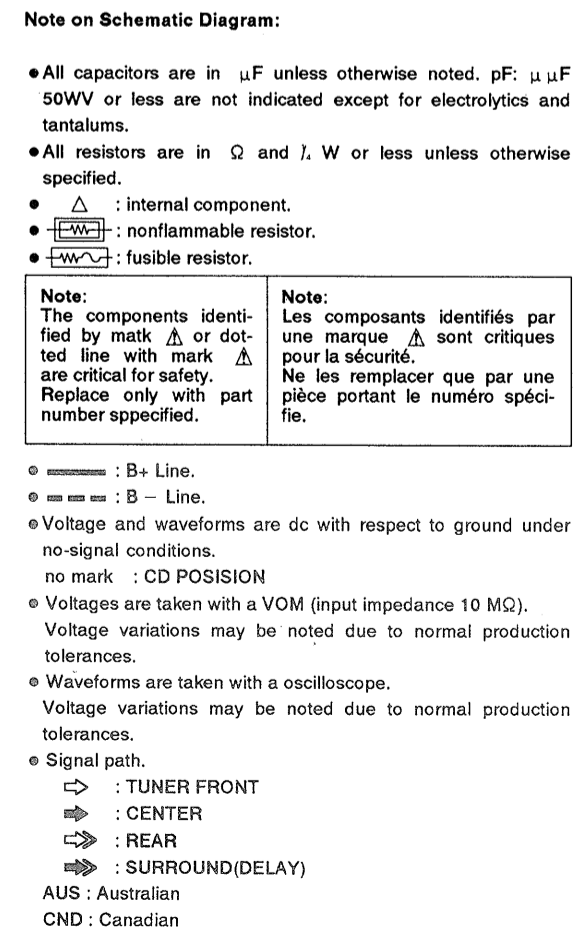
• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D101	C-14	Q100	C-18
D102	C-14		
D103	C-14	FRONT	(E611)
D104	C-13	Q100	B-3
D105	C-12	M-VOL	
D106	C-12	Q101	D-14
D107	C-12	Q102	C-13
D108	C-12	Q103	D-14
D109	C-12	Q104	B-14
D110	C-12	(E511:	
(E511:		E AUS)	
D111	C-12	Q500	I-4
(E611)		Q501	I-2
D112	B-13	Q502	I-5
D113	C-14	Q801	I-5
D115	C-14	Q802	J-6
D116	C-14	(E611:	
D120	B-13	Q803	I-6
(E511:		Q804	J-6
E AUS)		(E611)	
D121	D-18	Q901	G-10
D122	B-18	Q902	G-10
D200	B-3	Q903	H-9
D801	I-5	Q904	G-10
D802	I-5	Q905	H-9
(E611)		Q906	G-11
D803	I-6	Q907	I-10
D804	I-6	Q908	J-11
(E611)		Q909	J-10
D805	J-6	Q910	J-11
(E611)		Q911	J-11
D901	H-12	Q912	I-10
D902	G-12	Q913	I-11
D903	G-13	Q914	I-10
D904	H-11	Q915	I-10
D905	H-11	Q916	I-10
D906	I-11	Q920	H-9
D907	I-11	Q930	K-10
D908	G-10		
D909	H-10		
D910	H-10		
D911	J-12		
D912	J-12		
D913	J-12		
D914	J-12		
D915	J-12		
D916	I-11		
D917	I-11		
D918	I-10		
D919	G-13		
D920	J-12		
D930	G-13		
IC101	B-11		
IC102	D-2		
IC103	D-19		
IC405	C-17		
IC500	J-3		

Note on Mounting Diagram:

- : Parts extracted from the component side.
- : Parts mounted on the conductor side.
- : Jumper wire connected to the ground pattern on the component side.
- /// : Pattern on the side which is seen.
- AUS : Australian
- CND : Canadian



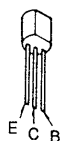


## 2-10. SEMICONDUCTOR LEAD LAYOUTS

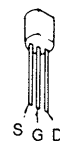
**GP1U52XB**



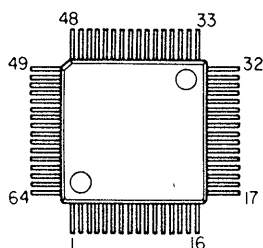
**2SA733-QP**  
**2SD1387-34**



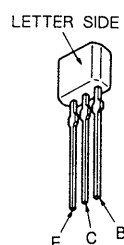
**2SK246-Y**



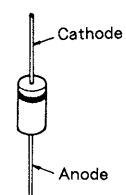
**LV1001M**



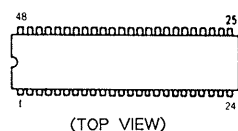
**2SA1175HFE**  
**2SD1021F**



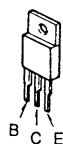
**HZA4ALL**  
**HZS30-2L**  
**UZL12H3**  
**10E2N**



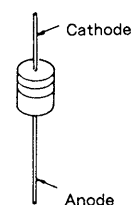
**SSM2125(E611)**



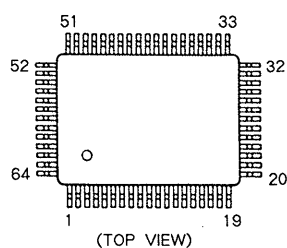
**2SB1094-L**



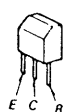
**HZS4ALL**  
**HZS6C3L**  
**UZL-6H3**  
**1SS120**



**μPD75206GF-718-3BE**



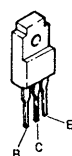
**2SD773-34**



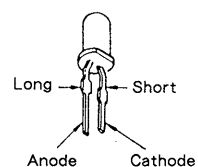
**DTA124ES**  
**DTC124ES**  
**2SC2603-EF**  
**2SC3622-ALK**



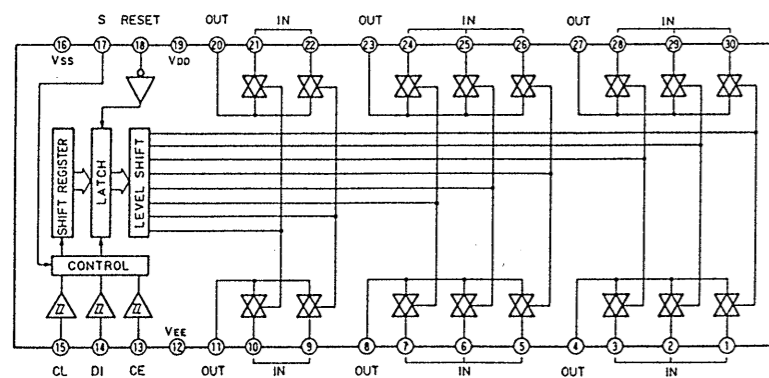
**2SD2012**



**SEL2810D-C**



IC102 LB1639



## SECTION 3

### EXPLODED VIEWS

#### NOTE:

- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Color Indication of Appearance Parts  
Example :  
KNOB, BALANCE (WHITE)...(RED)  

↑
↑

Parts color
Cabinet's color

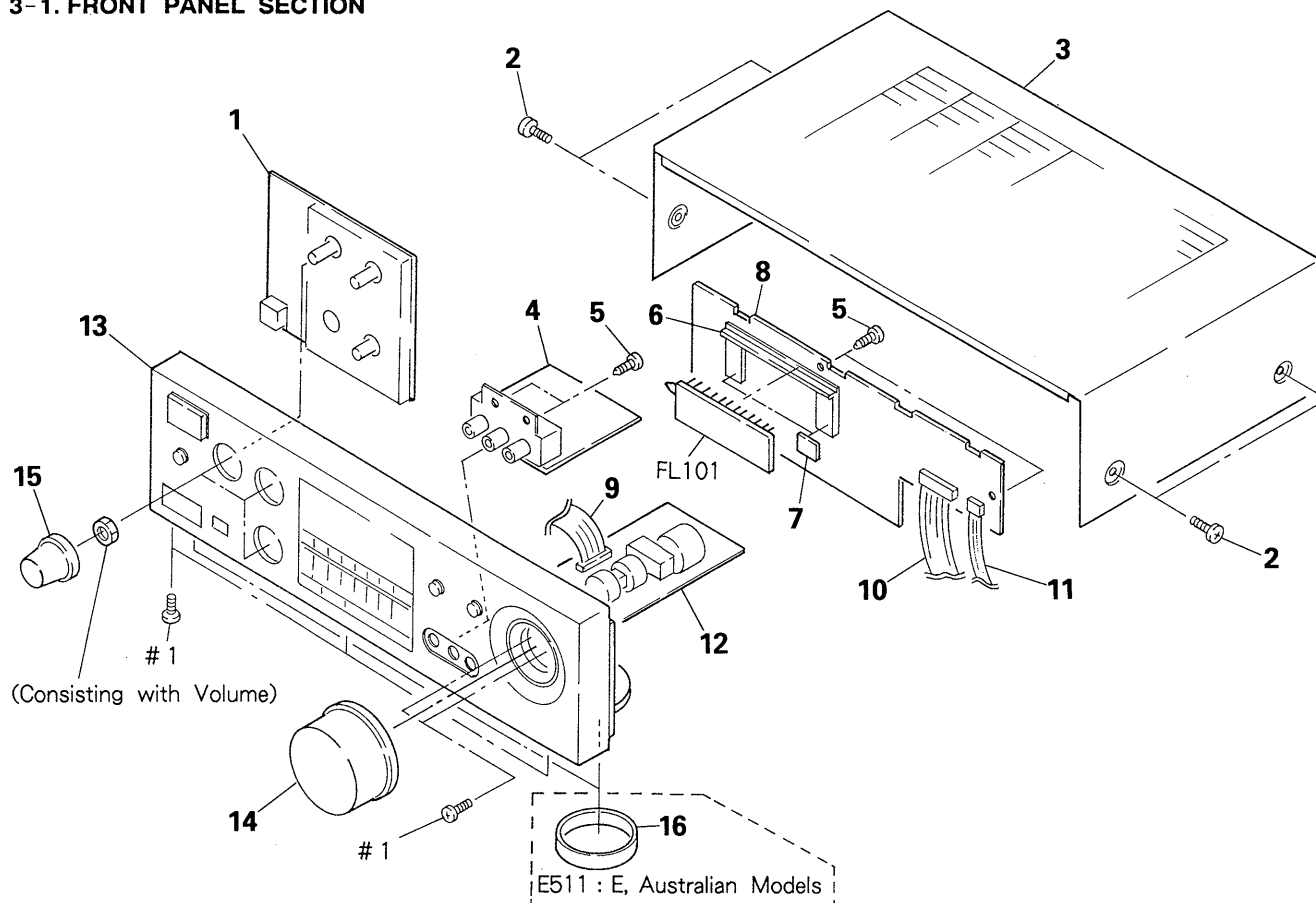
- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list is given in the last of this parts list.

The components identified by mark or dotted line with mark are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spéci-fie.

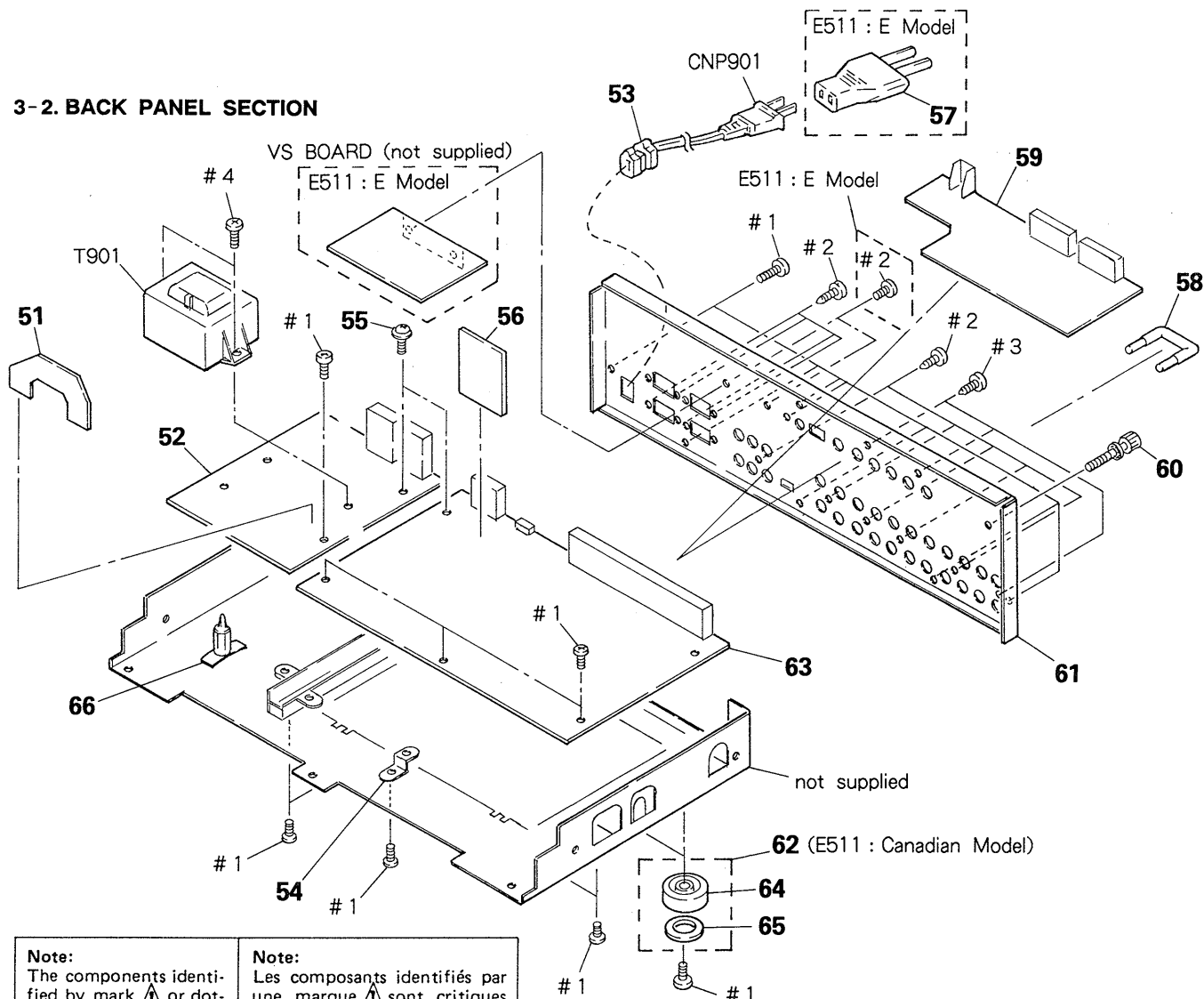
AUS : Australian



#### 3-1. FRONT PANEL SECTION





Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	* A-4345-113-A	FRONT BOARD, COMPLETE (E511:US, Canadian)		9	1-690-065-11	WIRE, FLAT TYPE (15 CORE)	
	* A-4345-116-A	FRONT BOARD, COMPLETE (E511:E, AUS)		10	1-590-237-11	WIRE, FLAT TYPE (19 CORE)	
	* A-4345-177-A	FRONT BOARD, COMPLETE (E611)		11	1-690-066-11	WIRE, FLAT TYPE (5 CORE)	
2	3-704-366-01	SCREW (CASE) (M3X8)		12	* 1-639-984-12	M-VOL BOARD	
3	* 4-937-817-11	CASE		13	X-4941-718-1	PANEL ASSY, FRONT (E611)	
4	* 1-639-986-12	VIDEO IN BOARD			X-4941-719-1	PANEL ASSY, FRONT (E511:US)	
5	4-928-635-02	SCREW, +BV (2.6X8) TAPPING			X-4941-720-1	PANEL ASSY, FRONT (E511:Canadian)	
6	* 4-934-443-01	HOLDER (FL TUBE)			X-4941-721-1	PANEL ASSY, FRONT (E511:E, AUS)	
7	* 4-921-941-21	CUSHION (FL)		14	X-4941-734-1	KNOB ASSY	
8	* A-4345-114-A	CONTROL BOARD, COMPLETE (E511:US, Canadian)		15	4-943-420-11	KNOB (DIA. 19)	
	* A-4345-117-A	CONTROL BOARD, COMPLETE (E511:E, AUS)		16	* 4-929-030-11	RING (DIA. 58A) ORNAMENTAL (E511:E, AUS)	
	* A-4345-184-A	CONTROL BOARD, COMPLETE (E611)		FL101	1-519-664-11	INDICATOR TUBE, FLUORESCENT	






### 3-2. BACK PANEL SECTION



**Note:**  
The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

**Note:**  
Les composants identifiés par une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
51	* 1-639-980-12	CONNECTOR BOARD	
52	* A-4345-115-A	POWER BOARD, COMPLETE (E511:E)	
	* A-4345-565-A	POWER BOARD, COMPLETE (E511:AUS)	
	* A-4345-176-A	POWER BOARD, COMPLETE (E511:US, Canadian/E611)	
53	* 3-703-571-11	BUSHING (S) (4516), CORD (E511:E)	
	* 3-703-244-00	BUSHING (2104), CORD (E511:US, Canadian, AUS/E611)	
54	* 3-332-563-01	BRACKET (P)	
55	4-886-821-11	SCREW, S TIGHT, +PTWH 3X6	
56	* 1-639-985-12	SUB BOARD	
57	 1-569-007-11	ADAPTOR, CONVERSION 2P (E511:E)	
58	1-535-530-11	PLUG, JUMPER	
59	* A-4345-172-A	VIDEO MAIN BOARD, COMPLETE (E611)	
	* A-4345-213-A	VIDEO MAIN BOARD, COMPLETE (E511:US, Canadian, AUS)	
	* A-4345-563-A	VIDEO MAIN BOARD, COMPLETE (E511:E)	

Ref. No.	Part No.	Description	Remark
60	3-706-165-00	SCREW	
61	* 4-945-755-01	PANEL, BACK (E611)	
	* 4-945-755-11	PANEL, BACK (E511:US, Canadian)	
	* 4-945-755-21	PANEL, BACK (E511:E)	
	* 4-945-755-32	PANEL, BACK (E511:AUS)	
62	X-4885-950-2	FOOT ASSY (E511:Canadian)	
63	* A-4345-112-A	SURROUND BOARD, COMPLETE (E511)	
	* A-4345-171-A	SURROUND BOARD, COMPLETE (E611)	
64	4-933-601-01	FOOT (E511:US, E, AUS/E611)	
65	4-923-836-11	CUSHION (E511:Canadian)	
66	* 3-346-265-11	HOLDER, PC BOARD	
CNP901	 1-574-902-11	CORD, POWER (E511:E)	
	 1-590-083-11	CORD, POWER (E511:AUS)	
	 1-590-771-11	CORD, POWER (E511:US, Canadian/E611)	
T901	 1-450-592-11	TRANSFORMER, POWER (E511:US, Canadian/E611)	
	 1-450-593-11	TRANSFORMER, POWER (E511:E, AUS)	

# SECTION 4

## ELECTRICAL PARTS LIST

## CONNECTOR

## CONTROL

## NOTE:

The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS  
All resistors are in ohms.  
METAL: metal-film resistor  
METAL OXIDE: Metal Oxide-film resistor  
F: nonflammable
- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS  
In each case, u:  $\mu$ , for example:  
uA...:  $\mu$ A..., uPA...,  $\mu$ PA...,  
uPB...,  $\mu$ PB..., uPC...,  $\mu$ PC...,  
uPD...,  $\mu$ PD...
- CAPACITORS:  
uF:  $\mu$ F
- COILS  
uH:  $\mu$ H

AUS: Australian

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
	* 1-639-980-11	CONNECTOR BOARD		D107	8-719-912-20	DIODE 1SS120	
	*****			D108	8-719-912-20	DIODE 1SS120	
		< CONNECTOR >		D109	8-719-912-20	DIODE 1SS120	
CN901	* 1-565-483-11	CONNECTOR, BOARD TO BOARD 7P		D110	8-719-912-20	DIODE 1SS120 (E511)	
CN902	* 1-565-483-11	CONNECTOR, BOARD TO BOARD 7P		D111	8-719-912-20	DIODE 1SS120 (E611)	
	*****						
	* A-4345-114-A	CONTROL BOARD, COMPLETE		D112	8-719-985-53	DIODE HZS4ALL	
		(E511:US, Canadian)		D113	8-719-985-53	DIODE HZS4ALL	
	* A-4345-117-A	CONTROL BOARD, COMPLETE (E511:E, AUS)		D115	8-719-912-20	DIODE 1SS120	
	* A-4345-184-A	CONTROL BOARD, COMPLETE (E611)		D116	8-719-912-20	DIODE 1SS120	
	*****			D120	8-719-311-60	DIODE SEL2810D-C (STANDBY) (E511:E, AUS)	
	* 4-921-941-21	CUSHION (FL)				< INDICATOR >	
	* 4-934-443-01	HOLDER (FL TUBE)		FL101	1-519-664-11	INDICATOR TUBE, FLUORESCENT	
		< CAPACITOR >				< IC >	
C101	1-124-465-00	ELECT 0.47uF 20% 50V		IC101	8-759-154-47	IC uPD75206GF-718-3BE	
C102	1-136-165-11	FILM 0.1uF 5% 50V				< TRANSISTOR >	
C104	1-124-443-00	ELECT 100uF 20% 10V		Q101	8-729-900-36	TRANSISTOR DTC124ES	
C105	1-130-495-00	MYLAR 0.1uF 5% 50V		Q102	8-729-900-63	TRANSISTOR DTA124ES	
C106	1-130-495-00	MYLAR 0.1uF 5% 50V		Q103	8-729-620-05	TRANSISTOR 2SC2603-EF	
		< CONNECTOR >		Q104	8-729-900-63	TRANSISTOR DTA124ES (E511:E, AUS)	
CN101	* 1-568-862-11	SOCKET, CONNECTOR 19P				< RESISTOR >	
CN103	* 1-568-848-11	SOCKET, CONNECTOR 5P		R101	1-247-903-00	CARBON 1M 5% 1/4W	
		< DIODE >		R102	1-249-429-11	CARBON 10K 5% 1/4W	
D101	8-719-912-20	DIODE 1SS120		R103	1-247-895-00	CARBON 470K 5% 1/4W	
D102	8-719-912-20	DIODE 1SS120		R105	1-249-411-11	CARBON 330 5% 1/4W (E511:E, AUS)	
D103	8-719-912-20	DIODE 1SS120		R106	1-249-417-11	CARBON 1K 5% 1/4W	
D104	8-719-912-20	DIODE 1SS120					
D105	8-719-912-20	DIODE 1SS120		R107	1-249-411-11	CARBON 330 5% 1/4W	
D106	8-719-912-20	DIODE 1SS120		R108	1-249-411-11	CARBON 330 5% 1/4W	
				R109	1-249-411-11	CARBON 330 5% 1/4W	
				R110	1-249-411-11	CARBON 330 5% 1/4W	
				R111	1-249-425-11	CARBON 4.7K 5% 1/4W	

## CONTROL

## FRONT

Ref. No.	Part No.	Description	Remark		
R112	1-249-425-11	CARBON	4.7K	5%	1/4W
R113	1-249-425-11	CARBON	4.7K	5%	1/4W
R114	1-249-425-11	CARBON	4.7K	5%	1/4W
R115	1-249-437-11	CARBON	47K	5%	1/4W
R116	1-249-437-11	CARBON	47K	5%	1/4W
R117	1-249-437-11	CARBON	47K	5%	1/4W
R118	1-249-437-11	CARBON	47K	5%	1/4W
R119	1-249-437-11	CARBON	47K	5%	1/4W
R120	1-249-437-11	CARBON	47K	5%	1/4W
R121	1-249-437-11	CARBON	47K	5%	1/4W
R122	1-249-437-11	CARBON	47K	5%	1/4W
R123	1-249-437-11	CARBON	47K	5%	1/4W
R124	1-249-437-11	CARBON	47K	5%	1/4W
R125	1-249-425-11	CARBON	4.7K	5%	1/4W
R126	1-249-437-11	CARBON	47K	5%	1/4W
R127	1-249-437-11	CARBON	47K	5%	1/4W
R128	1-249-437-11	CARBON	47K	5%	1/4W
R129	1-249-437-11	CARBON	47K	5%	1/4W
R130	1-249-437-11	CARBON	47K	5%	1/4W
R131	1-249-437-11	CARBON	47K	5%	1/4W
R132	1-249-437-11	CARBON	47K	5%	1/4W
R133	1-249-437-11	CARBON	47K	5%	1/4W
R134	1-249-437-11	CARBON	47K	5%	1/4W
R135	1-249-405-11	CARBON	100	5%	1/4W
R136	1-249-405-11	CARBON	100	5%	1/4W
R138	1-249-437-11	CARBON	47K	5%	1/4W
R139	1-249-437-11	CARBON	47K	5%	1/4W
< SWITCH >					
S101	1-554-303-21	SWITCH, TACTILE (PHONO)			
S102	1-554-303-21	SWITCH, TACTILE (TUNER)			
S103	1-554-303-21	SWITCH, TACTILE (CD)			
S104	1-554-303-21	SWITCH, TACTILE (TAPE)			
S105	1-554-303-21	SWITCH, TACTILE (VIDEO 1)			
S106	1-554-303-21	SWITCH, TACTILE (VIDEO 2)			
S107	1-554-303-21	SWITCH, TACTILE (VIDEO 3)			
S108	1-554-303-21	SWITCH, TACTILE (VIDEO 4)			
S109	1-554-303-21	SWITCH, TACTILE (REAR LEVEL +)			
S110	1-554-303-21	SWITCH, TACTILE (REAR LEVEL -)			
S111	1-554-303-21	SWITCH, TACTILE (DBFB)			
S112	1-554-303-21	SWITCH, TACTILE (DELAY TIME)			
S113	1-554-303-21	SWITCH, TACTILE (DOLBY)			
S114	1-554-303-21	SWITCH, TACTILE (HALL)			
S115	1-554-303-21	SWITCH, TACTILE (SIMOLATED)			
S116	1-554-303-21	SWITCH, TACTILE (SURROUND)			
< VIBRATOR >					
X101	1-567-775-11	VIBRATOR, CERAMIC (4.19MHz)			

Ref.No.	Part No.	Description	Remark		
	* A-4345-113-A FRONT BOARD, COMPLETE (E511:US, Canadian)				
	* A-4345-116-A FRONT BOARD, COMPLETE (E511:E, AUS)				
	* A-4345-177-A FRONT BOARD, COMPLETE (E611)				
	*****				
	< CAPACITOR >				
C107	1-162-294-31	CERAMIC	0.001uF	10%	50V
C415	1-130-484-00	MYLAR	0.012uF	5%	50V
C416	1-106-347-00	MYLAR	1500PF	5%	200V
C417	1-130-484-00	MYLAR	0.012uF	5%	50V
C418	1-164-070-11	CERAMIC	100PF	5%	50V
C419	1-164-062-11	CERAMIC	47PF	5%	50V
C420	1-126-163-11	ELECT	4.7uF	20%	50V
C465	1-130-484-00	MYLAR	0.012uF	5%	50V
C466	1-106-347-00	MYLAR	1500PF	5%	200V
C467	1-130-484-00	MYLAR	0.012uF	5%	50V
C468	1-164-070-11	CERAMIC	100PF	5%	50V
C469	1-164-062-11	CERAMIC	47PF	5%	50V
C470	1-126-163-11	ELECT	4.7uF	20%	50V
	< DIODE >				
D121	8-719-311-60	DIODE	SEL2810D-C (AUTO) (E611)		
D122	8-719-912-20	DIODE	1SS120		
	< CONNECTOR >				
DR104	* 1-564-338-00 PIN, CONNECTOR 4P				
	< IC >				
IC103	8-749-920-83	IC	GP1U52XB		
IC405	8-759-634-51	IC	M5218AP		
	< TRANSISTOR >				
Q100	8-729-119-76	TRANSISTOR	2SA1175-HFE (E611)		
	< RESISTOR >				
R140	1-249-429-11	CARBON	10K	5%	1/4W
R141	1-249-429-11	CARBON	10K	5%	1/4W
R142	1-249-425-11	CARBON	4.7K	5%	1/4W (E611)
R143	1-249-411-11	CARBON	330	5%	1/4W (E611)
R144	1-249-437-11	CARBON	47K	5%	1/4W (E611)
R200	1-249-421-11	CARBON	2.2K		1/4W (E511)
R250	1-249-421-11	CARBON	2.2K		1/4W (E511)
R430	1-247-870-11	CARBON	43K	5%	1/4W
R431	1-249-431-11	CARBON	15K	5%	1/4W
R432	1-247-870-11	CARBON	43K	5%	1/4W
R433	1-249-403-11	CARBON	68	5%	1/4W
R480	1-247-870-11	CARBON	43K	5%	1/4W

FRONT

POWER

Ref.No.	Part No.	Description	Remark
R481	1-249-431-11	CARBON 15K 5% 1/4W	
R482	1-247-870-11	CARBON 43K 5% 1/4W	
R483	1-249-403-11	CARBON 68 5% 1/4W	

## &lt; VARIABLE RESISTOR &gt;

RV302	1-238-777-11	RES. BAR, CARBON 250K (INPUT BALANCE) (E511)	
RV303	1-237-881-11	RES. VAR, CARBON 100K/100K (TREBLE)	
RV304	1-237-881-11	RES. VAR, CARBON 100K/100K (BASE)	
RV305	1-241-022-11	RES. VAR, CARBON 150K/150K (BALANCE)	

## &lt; SWITCH &gt;

S117	1-554-303-21	SWITCH, TACTILE (SYSTEM POWER)	
S118	1-554-303-21	SWITCH, TACTILE (DRLC) (E611)	

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- \* A-4345-115-A POWER BOARD, COMPLETE (E511:E)
- \* A-4345-176-A POWER BOARD, COMPLETE  
(E511:US, Canadian/E611)
- \* A-4345-565-A POWER BOARD, COMPLETE (E511:AUS)

## &lt; CAPACITOR &gt;

C900	1-124-927-11	ELECT 4.7uF 20% 100V	
C901	1-126-104-11	ELECT 470uF 20% 35V	
C902	1-124-913-11	ELECT 470uF 20% 50V	
C903	1-130-487-00	MYLAR 0.022uF 5% 50V	
C904	1-126-946-11	ELECT 6800uF 20% 25V	
C905	1-124-564-11	ELECT 4700uF 20% 25V	
C906	1-126-101-11	ELECT 100uF 20% 16V	
C907	1-126-101-11	ELECT 100uF 20% 16V	
C908	1-124-477-11	ELECT 47uF 20% 25V	
C909	1-124-119-00	ELECT 330uF 20% 16V	
C910	1-124-907-11	ELECT 10uF 20% 50V	
C911	1-124-477-11	ELECT 47uF 20% 25V	
C912	1-130-487-00	MYLAR 0.022uF 5% 50V	
C913	1-130-487-00	MYLAR 0.022uF 5% 50V	
C914	1-130-487-00	MYLAR 0.022uF 5% 50V	
C915	1-130-487-00	MYLAR 0.022uF 5% 50V	
C916	1-162-282-31	CERAMIC 100PF 10% 50V	
C917	1-124-477-11	ELECT 47uF 20% 25V	
C918	1-124-477-11	ELECT 47uF 20% 25V	
C919	1-124-903-11	ELECT 1uF 20% 50V	
C920	1-130-487-00	MYLAR 0.022uF 5% 50V	
C921	1-124-464-11	ELECT 0.22uF 20% 50V	
C922	1-161-744-00	CERAMIC 0.01uF 400V	
C923	1-126-936-11	ELECT 3300uF 20% 16V	
C925	1-124-925-11	ELECT 2.2uF 20% 100V	

Ref.No.	Part No.	Description	Remark
C926	1-124-925-11	ELECT 2.2uF 20% 100V	
C930	1-124-907-11	ELECT 10uF 20% 50V	
C999	1-161-744-00	CERAMIC 0.01uF 400V	

## &lt; CONNECTOR &gt;

CN901	1-560-944-00	PIN, CONNECTOR 7P	
CNJ901	1-540-040-11	OUTLET, AC (NONPOLAR) (2P) (E511:E, AUS)	
CNJ901	1-540-059-11	OUTLET, AC (POLAR) (E511:US, Canadian/E611)	
CNJ902	1-540-040-11	OUTLET, AC (NONPOLAR) (2P) (E511:E, AUS)	
CNJ902	1-540-059-11	OUTLET, AC (POLAR) (E511:US, Canadian/E611)	
CNP902	1-573-565-11	PIN, CONNECTOR 5P (E511:E)	
CNP903	1-573-565-11	PIN, CONNECTOR 5P (E511:E)	

## &lt; DIODE &gt;

D901	8-719-200-77	DIODE 10E2N	
D902	8-719-200-77	DIODE 10E2N	
D903	8-719-934-22	DIODE HZS30-2L	
D904	8-719-200-77	DIODE 10E2N	
D905	8-719-200-77	DIODE 10E2N	
D906	8-719-200-77	DIODE 10E2N	
D907	8-719-200-77	DIODE 10E2N	
D908	8-719-001-85	DIODE UZL-12H3	
D909	8-719-001-85	DIODE UZL-12H3	
D910	8-719-933-41	DIODE HZS6C3L	
D911	8-719-200-77	DIODE 10E2N	
D912	8-719-200-77	DIODE 10E2N	
D913	8-719-200-77	DIODE 10E2N	
D914	8-719-200-77	DIODE 10E2N	
D915	8-719-912-20	DIODE 1SS120	
D916	8-719-933-41	DIODE HZS6C3L	
D917	8-719-933-41	DIODE HZS6C3L	
D918	8-719-914-11	DIODE HZ4ALL	
D919	8-719-912-20	DIODE 1SS120	
D920	8-719-912-20	DIODE 1SS120	
D930	8-719-912-20	DIODE 1SS120	

## &lt; CONNECTOR &gt;

DR102	1-564-342-11	PIN, CONNECTOR 8P	
DR801	1-564-338-61	PIN, CONNECTOR 4P	

## &lt; TRANSISTOR &gt;

Q901	8-729-900-36	TRANSISTOR DTC124ES	
Q902	8-729-900-63	TRANSISTOR DTA124ES	
Q903	8-729-900-36	TRANSISTOR DTC124ES	
Q904	8-729-900-63	TRANSISTOR DTA124ES	
Q905	8-729-209-15	TRANSISTOR 2SD2012	

## Note:

The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety. Replace only with part number specified.

## Note:

Les composants identifiés par une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

POWER

M-VOL

Ref. No.	Part No.	Description	Remark
Q906	8-729-111-67	TRANSISTOR 2SB1094-L	
Q907	8-729-209-15	TRANSISTOR 2SD2012	
Q908	8-729-900-63	TRANSISTOR DTA124ES	
Q909	8-729-801-93	TRANSISTOR 2SD1387-3	
Q910	8-729-801-93	TRANSISTOR 2SD1387-3	
Q911	8-729-209-15	TRANSISTOR 2SD2012	
Q912	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q913	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q914	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q915	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q916	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q920	8-729-102-14	TRANSISTOR 2SD1021-F	
Q930	8-729-900-36	TRANSISTOR DTC124ES	
< RESISTOR >			
R900	1-247-852-11	CARBON 7.5K 5% 1/4W	
R901	△ 1-217-469-00	FUSIBLE 1 5% 1W F	
R902	△ 1-217-469-00	FUSIBLE 1 5% 1W F	
R903	1-249-413-11	CARBON 470 5% 1/4W	
R904	1-249-429-11	CARBON 10K 5% 1/4W	
R905	1-249-429-11	CARBON 10K 5% 1/4W	
R907	1-247-714-11	CARBON 1.2K 5% 1/4W	
R908	1-249-414-11	CARBON 560 5% 1/4W	
R909	1-247-716-11	CARBON 1.8K 5% 1/4W	
R910	1-249-417-11	CARBON 1K 5% 1/4W	
R911	1-249-429-11	CARBON 10K 5% 1/4W	
R912	1-249-437-11	CARBON 47K 5% 1/4W	
R913	1-249-437-11	CARBON 47K 5% 1/4W	
R914	1-247-696-11	CARBON 47 5% 1/4W	
R915	1-249-417-11	CARBON 1K 5% 1/4W	
R916	1-249-437-11	CARBON 47K 5% 1/4W	
R917	1-249-433-11	CARBON 22K 5% 1/4W	
R918	1-249-429-11	CARBON 10K 5% 1/4W	
R919	1-249-429-11	CARBON 10K 5% 1/4W	
R920	1-249-417-11	CARBON 1K 5% 1/4W	
R921	1-249-429-11	CARBON 10K 5% 1/4W	
R922	1-249-426-11	CARBON 5.6K 5% 1/4W	
R923	1-249-426-11	CARBON 5.6K 5% 1/4W	
R924	1-249-425-11	CARBON 4.7K 5% 1/4W	
R925	1-249-417-11	CARBON 1K 5% 1/4W	
R930	1-249-421-11	CARBON 2.2K 5% 1/4W	
R931	△ 1-213-064-61	FUSIBLE 15 5% 1W F	
< RELAY >			
RY901	△ 1-515-617-11	RELAY (E511:E, AUS)	
RY901	△ 1-515-701-11	RELAY (E511:US, Canadian/E611)	

Ref. No.	Part No.	Description	Remark
		< SWITCH >	
S901	△ 1-572-009-21	SELECTOR, VOLTAGE (E511:E)	
		< TRANSFORMER >	
T901	△ 1-450-592-11	TRANSFORMER, POWER (E511:US, Canadian/E611)	
T901	△ 1-450-593-11	TRANSFORMER, POWER (E511:E, AUS)	
		< CONNECTOR >	
VH901	* 1-564-321-00	PIN, CONNECTOR 2P	
*****			
	* 1-639-984-11	M-VOL BOARD	
		*****	
		< CAPACITOR >	
C108	1-130-483-00	MYLAR 0.01uF 5% 50V	
C109	1-130-483-00	MYLAR 0.01uF 5% 50V	
C110	1-124-925-11	ELECT 2.2uF 20% 100V	
C111	1-124-925-11	ELECT 2.2uF 20% 100V	
		< CONNECTOR >	
CN301	* 1-568-834-11	SOCKET, CONNECTOR 15P	
		< DIODE >	
D200	8-719-933-41	DIODE HZS6C3L	
		< CONNECTOR >	
DR105	* 1-564-336-61	PIN, CONNECTOR 2P	
DR106	* 1-564-336-00	PIN, CONNECTOR 2P	
DR812	* 1-564-336-71	PIN, CONNECTOR 2P	
		< IC >	
IC102	8-759-820-62	IC LB1639	
		< TRANSISTOR >	
Q100	8-729-140-98	TRANSISTOR 2SD773-34	
		< RESISTOR >	
R142	1-249-433-11	CARBON 22K 5% 1/4W	
R143	1-249-433-11	CARBON 22K 5% 1/4W	
R145	1-249-414-11	CARBON 560 5% 1/4W	
R150	1-247-838-00	CARBON 2K 5% 1/4W	
		< VARIABLE RESISTOR >	
RV301	1-241-563-11	RES, VAR, CARBON 100KX4	

**Note:**  
The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

**Note:**  
Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

## SUB

## SURROUND(E511)

Ref.No.	Part No.	Description	Remark		
	* 1-639-985-11	SUB BOARD			
		*****			
		< CAPACITOR >			
C001	1-162-215-11	CERAMIC	47PF	10%	50V
C051	1-162-215-11	CERAMIC	47PF	10%	50V
C408	1-124-907-11	ELECT	10uF	20%	50V
C409	1-124-907-11	ELECT	10uF	20%	50V
C458	1-124-907-11	ELECT	10uF	20%	50V
C459	1-124-907-11	ELECT	10uF	20%	50V
C460	1-124-927-11	ELECT	4.7uF	20%	100V
		< CONNECTOR >			
CN402	* 1-565-485-11	CONNECTOR, BOARD TO BOARD 9P			
		< IC >			
IC402	8-759-634-50	IC M5218AL			
		< RESISTOR >			
R414	1-249-429-11	CARBON	10K	5%	1/4W
R415	1-249-429-11	CARBON	10K	5%	1/4W
R416	1-249-440-11	CARBON	82K	5%	1/4W
R417	1-249-441-11	CARBON	100K	5%	1/4W
R464	1-249-429-11	CARBON	10K	5%	1/4W
R465	1-249-422-11	CARBON	2.7K	5%	1/4W
R466	1-249-440-11	CARBON	82K	5%	1/4W
R467	1-249-441-11	CARBON	100K	5%	1/4W
*****					
	* A-4345-112-A	SURROUND BOARD, COMPLETE (E511)			
		*****			
		< CAPACITOR >			
C000	1-161-494-00	CERAMIC	0.022uF		25V
C004	1-124-927-11	ELECT	4.7uF	20%	100V
C005	1-124-927-11	ELECT	4.7uF	20%	100V
C007	1-136-177-00	FILM	1uF	5%	50V
C202	1-164-072-11	CERAMIC	120PF	5%	50V
C203	1-124-907-11	ELECT	10uF	20%	50V
C204	1-162-284-31	CERAMIC	150PF	10%	50V
C205	1-124-925-11	ELECT	2.2uF	20%	100V
C206	1-130-480-00	MYLAR	0.0056uF	5%	50V
C207	1-106-347-00	MYLAR	1500PF	5%	200V
C208	1-124-902-00	ELECT	0.47uF	20%	50V
C209	1-164-097-11	CERAMIC	0.022uF		50V
C210	1-124-477-11	ELECT	47uF	20%	25V
C231	1-124-907-11	ELECT	10uF	20%	50V
C252	1-164-072-11	CERAMIC	120PF	5%	50V

Ref.No.	Part No.	Description	Remark		
C253	1-124-907-11	ELECT	10uF	20%	50V
C254	1-162-284-31	CERAMIC	150PF	10%	50V
C255	1-124-925-11	ELECT	2.2uF	20%	100V
C256	1-130-480-00	MYLAR	0.0056uF	5%	50V
C257	1-106-347-00	MYLAR	1500PF	5%	200V
C258	1-124-902-00	ELECT	0.47uF	20%	50V
C259	1-164-097-11	CERAMIC	0.022uF		50V
C260	1-124-477-11	ELECT	47uF	20%	25V
C301	1-124-907-11	ELECT	10uF	20%	50V
C302	1-164-062-11	CERAMIC	47PF	5%	50V
C303	1-124-907-11	ELECT	10uF	20%	50V
C308	1-130-480-00	MYLAR	0.0056uF	5%	50V
C309	1-106-359-00	MYLAR	4700PF	5%	200V
C310	1-164-082-11	CERAMIC	560PF	10%	50V
C311	1-124-907-11	ELECT	10uF	20%	50V
C312	1-164-083-11	CERAMIC	680PF	10%	50V
C313	1-136-167-00	FILM	0.15uF	5%	50V
C314	1-164-075-11	CERAMIC	150PF	10%	50V
C315	1-164-097-11	CERAMIC	0.022uF		50V
C316	1-164-085-11	CERAMIC	0.001uF	10%	50V
C317	1-124-927-11	ELECT	4.7uF	20%	100V
C318	1-124-907-11	ELECT	10uF	20%	50V
C319	1-124-927-11	ELECT	4.7uF	20%	100V
C320	1-124-907-11	ELECT	10uF	20%	50V
C321	1-124-907-11	ELECT	10uF	20%	50V
C322	1-130-489-00	MYLAR	0.033uF	5%	50V
C323	1-106-359-00	MYLAR	4700PF	5%	200V
C324	1-130-477-00	MYLAR	0.0033uF	5%	50V
C325	1-136-163-00	FILM	0.068uF	5%	50V
C326	1-136-169-00	FILM	0.22uF	5%	50V
C327	1-164-056-11	CERAMIC	27PF	5%	50V
C328	1-164-056-11	CERAMIC	27PF	5%	50V
C329	1-124-472-11	ELECT	470uF	20%	10V
C330	1-124-927-11	ELECT	4.7uF	20%	100V
C331	1-164-085-11	CERAMIC	0.001uF	10%	50V
C332	1-164-097-11	CERAMIC	0.022uF		50V
C333	1-164-075-11	CERAMIC	150PF	10%	50V
C334	1-126-176-11	ELECT	220uF	20%	10V
C335	1-126-176-11	ELECT	220uF	20%	10V
C336	1-124-120-11	ELECT	220uF	20%	25V
C337	1-136-165-00	FILM	0.1uF	5%	50V
C338	1-124-443-00	ELECT	100uF	20%	10V
C339	1-124-907-11	ELECT	10uF	20%	50V
C351	1-124-907-11	ELECT	10uF	20%	50V
C352	1-164-062-11	CERAMIC	47PF	5%	50V
C353	1-124-907-11	ELECT	10uF	20%	50V
C380	1-124-907-11	ELECT	10uF	20%	50V
C381	1-124-907-11	ELECT	10uF	20%	50V
C383	1-136-169-00	FILM	0.22uF	5%	50V

## SURROUND(E511)

Ref. No.	Part No.	Description	Remark
C385	1-130-489-00	MYLAR 0.033uF	5% 50V
C398	1-124-907-11	ELECT 10uF	20% 50V
C399	1-124-907-11	ELECT 10uF	20% 50V
C400	1-124-907-11	ELECT 10uF	20% 50V
C401	1-124-927-11	ELECT 4.7uF	20% 100V
C402	1-164-058-11	CERAMIC 33PF	5% 50V
C403	1-124-477-11	ELECT 47uF	20% 25V
C404	1-124-903-11	ELECT 1uF	20% 50V
C405	1-124-903-11	ELECT 1uF	20% 50V
C407	1-124-907-11	ELECT 10uF	20% 50V
C410	1-124-927-11	ELECT 4.7uF	20% 100V
C411	1-124-927-11	ELECT 4.7uF	20% 100V
C412	1-124-927-11	ELECT 4.7uF	20% 100V
C413	1-124-927-11	ELECT 4.7uF	20% 100V
C414	1-124-477-11	ELECT 47uF	20% 25V
C450	1-124-907-11	ELECT 10uF	20% 50V
C451	1-124-927-11	ELECT 4.7uF	20% 100V
C452	1-164-058-11	CERAMIC 33PF	5% 50V
C453	1-124-477-11	ELECT 47uF	20% 25V
C454	1-124-903-11	ELECT 1uF	20% 50V
C455	1-124-903-11	ELECT 1uF	20% 50V
< CONNECTOR >			
CN102	1-568-802-11	SOCKET, CONNECTOR 19P	
CN302	* 1-568-834-11	SOCKET, CONNECTOR 15P	
CN401	* 1-560-284-11	CONNECTOR, (PIN) 9P	
CN802	1-566-211-11	PIN, CONNECTOR 4P	
		(POWER AMP CONTROL OUT)	
CN902	1-560-944-00	PIN, CONNECTOR 7P	
< DIODE >			
D401	8-719-912-20	DIODE 1SS120	
D402	8-719-912-20	DIODE 1SS120	
< CONNECTOR >			
DR101	* 1-564-338-00	PIN, CONNECTOR 4P	
DR301	* 1-506-503-11	PIN, CONNECTOR 9P	
DR501	* 1-564-339-61	PIN, CONNECTOR 5P	
DR802	* 1-564-337-00	PIN, CONNECTOR 3P	
< IC >			
IC200	8-759-634-50	IC M5218AL	
IC204	8-759-801-01	IC LC4966	
IC206	8-759-805-14	IC LC7822	
IC254	8-759-801-01	IC LC4966	
IC301	8-759-634-50	IC M5218AL	
IC303	8-759-823-63	IC LV1001M	
IC304	8-759-821-13	IC LM3364K-15	
IC307	8-759-634-50	IC M5218AL	

Ref. No.	Part No.	Description	Remark
IC309	8-759-801-01	IC LC4966	
IC401	8-759-634-50	IC M5218AL	
IC403	8-759-634-50	IC M5218AL	
IC404	8-759-820-11	IC LC7535	
< JACK >			
PJ200	1-565-320-11	JACK, PIN 6P (PHONO, TUNER, CD IN)	
PJ201	1-565-320-11	JACK, PIN 6P (TAPE/DAT, VIDEO3/LD IN)	
PJ202	1-565-258-11	JACK, PIN 4P (VIDEO2 IN)	
PJ203	1-565-258-11	JACK, PIN 4P (VIDEO1 IN)	
PJ204	1-563-562-11	JACK, PIN 4P (GRAPHIC-EQ IN/OUT)	
PJ802	1-565-352-21	JACK, PIN 2P (FRONT OUT)	
PJ803	1-565-406-21	JACK, PIN 1P (REAR OUT)	
< TRANSISTOR >			
Q105	8-729-141-26	TRANSISTOR 2SC3622A-LK	
Q106	8-729-141-26	TRANSISTOR 2SC3622A-LK	
Q107	8-729-141-26	TRANSISTOR 2SC3622A-LK	
Q304	8-729-900-36	TRANSISTOR DTC124ES	
Q305	8-729-209-15	TRANSISTOR 2SD2012	
Q310	8-729-900-63	TRANSISTOR DTA124ES	
Q311	8-729-900-36	TRANSISTOR DTC124ES	
Q312	8-729-900-63	TRANSISTOR DTA124ES	
Q313	8-729-900-36	TRANSISTOR DTC124ES	
Q314	8-729-900-63	TRANSISTOR DTA124ES	
Q315	8-729-900-36	TRANSISTOR DTC124ES	
Q316	8-729-900-63	TRANSISTOR DTA124ES	
Q330	8-729-900-36	TRANSISTOR DTC124ES	
Q331	8-729-900-36	TRANSISTOR DTC124ES	
Q332	8-729-900-36	TRANSISTOR DTC124ES	
Q333	8-729-900-36	TRANSISTOR DTC124ES	
Q401	8-729-224-61	TRANSISTOR 2SK246-Y	
Q402	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q403	8-729-141-26	TRANSISTOR 2SC3622A-LK	
Q406	8-729-141-26	TRANSISTOR 2SC3622A-LK	
Q451	8-729-224-61	TRANSISTOR 2SK246-Y	
Q452	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q453	8-729-141-26	TRANSISTOR 2SC3622ATP-LK	
Q805	8-729-900-63	TRANSISTOR DTA124ES	
Q806	8-729-900-63	TRANSISTOR DTA124ES	
Q807	8-729-900-63	TRANSISTOR DTA124ES	
< RESISTOR >			
R001	1-249-441-11	CARBON 100K 5% 1/4W	
R002	1-249-441-11	CARBON 100K 5% 1/4W	
R003	1-249-417-11	CARBON 1K 5% 1/4W	
R004	1-249-417-11	CARBON 1K 5% 1/4W	
R145	1-249-425-11	CARBON 4.7K 5% 1/4W	
R146	1-249-425-11	CARBON 4.7K 5% 1/4W	

## SURROUND(E511)

Ref.No.	Part No.	Description	Remark		
R147	1-249-425-11	CARBON	4.7K	5%	1/4W
R148	1-249-433-11	CARBON	22K	5%	1/4W
R149	1-249-433-11	CARBON	22K	5%	1/4W
R150	1-249-433-11	CARBON	22K	5%	1/4W
R202	1-249-417-11	CARBON	1K	5%	1/4W
R203	1-249-437-11	CARBON	47K	5%	1/4W
R204	1-249-416-11	CARBON	820	5%	1/4W
R205	1-247-897-11	CARBON	560K	5%	1/4W
R206	1-249-437-11	CARBON	47K	5%	1/4W
R207	1-249-441-11	CARBON	100K	5%	1/4W
R208	1-249-409-11	CARBON	220	5%	1/4W
R209	1-249-418-11	CARBON	1.2K	5%	1/4W
R210	1-249-421-11	CARBON	2.2K	5%	1/4W
R211	1-249-413-11	CARBON	470	5%	1/4W
R212	1-249-421-11	CARBON	2.2K	5%	1/4W
R213	1-249-421-11	CARBON	2.2K	5%	1/4W
R214	1-249-413-11	CARBON	470	5%	1/4W
R215	1-249-418-11	CARBON	1.2K	5%	1/4W
R216	1-249-413-11	CARBON	470	5%	1/4W
R217	1-249-418-11	CARBON	1.2K	5%	1/4W
R218	1-249-413-11	CARBON	470	5%	1/4W
R219	1-249-418-11	CARBON	1.2K	5%	1/4W
R224	1-249-429-11	CARBON	10K	5%	1/4W
R252	1-249-417-11	CARBON	1K	5%	1/4W
R253	1-249-437-11	CARBON	47K	5%	1/4W
R254	1-249-416-11	CARBON	820	5%	1/4W
R255	1-247-897-11	CARBON	560K	5%	1/4W
R256	1-249-437-11	CARBON	47K	5%	1/4W
R257	1-249-441-11	CARBON	100K	5%	1/4W
R258	1-249-409-11	CARBON	220	5%	1/4W
R259	1-249-418-11	CARBON	1.2K	5%	1/4W
R260	1-249-421-11	CARBON	2.2K	5%	1/4W
R261	1-249-413-11	CARBON	470	5%	1/4W
R262	1-249-421-11	CARBON	2.2K	5%	1/4W
R263	1-249-421-11	CARBON	2.2K	5%	1/4W
R264	1-249-413-11	CARBON	470	5%	1/4W
R265	1-249-418-11	CARBON	1.2K	5%	1/4W
R266	1-249-413-11	CARBON	470	5%	1/4W
R267	1-249-418-11	CARBON	1.2K	5%	1/4W
R268	1-249-413-11	CARBON	470	5%	1/4W
R269	1-249-418-11	CARBON	1.2K	5%	1/4W
R301	1-249-435-11	CARBON	33K	5%	1/4W
R302	1-247-887-00	CARBON	220K	5%	1/4W
R303	1-249-405-11	CARBON	100	5%	1/4W
R309	1-249-428-11	CARBON	8.2K	5%	1/4W
R310	1-249-428-11	CARBON	8.2K	5%	1/4W
R311	1-249-431-11	CARBON	15K	5%	1/4W
R312	1-249-428-11	CARBON	8.2K	5%	1/4W
R313	1-249-436-11	CARBON	39K	5%	1/4W

Ref.No.	Part No.	Description	Remark		
R314	1-249-423-11	CARBON	3.3K	5%	1/4W
R315	1-249-437-11	CARBON	47K	5%	1/4W
R316	1-247-903-00	CARBON	1M	5%	1/4W
R317	1-249-429-11	CARBON	10K	5%	1/4W
R318	1-247-887-00	CARBON	220K	5%	1/4W
R319	1-249-429-11	CARBON	10K	5%	1/4W
R320	1-249-429-11	CARBON	10K	5%	1/4W
R321	1-249-429-11	CARBON	10K	5%	1/4W
R333	1-249-429-11	CARBON	10K	5%	1/4W
R340	1-249-437-11	CARBON	47K	5%	1/4W
R341	1-249-437-11	CARBON	47K	5%	1/4W
R342	1-249-437-11	CARBON	47K	5%	1/4W
R346	1-249-441-11	CARBON	100K	5%	1/4W
R348	1-249-437-11	CARBON	47K	5%	1/4W
R351	1-249-435-11	CARBON	33K	5%	1/4W
R352	1-247-887-00	CARBON	220K	5%	1/4W
R353	1-249-405-11	CARBON	100	5%	1/4W
R370	1-249-425-11	CARBON	4.7K	5%	1/4W
R371	1-249-430-11	CARBON	12K	5%	1/4W
R372	1-247-903-00	CARBON	1M	5%	1/4W
R373	1-247-903-00	CARBON	1M	5%	1/4W
R374	1-247-887-00	CARBON	220K	5%	1/4W
R375	1-247-887-00	CARBON	220K	5%	1/4W
R376	1-247-887-00	CARBON	220K	5%	1/4W
R377	1-247-887-00	CARBON	220K	5%	1/4W
R378	1-249-441-11	CARBON	100K	5%	1/4W
R379	1-249-429-11	CARBON	10K	5%	1/4W
R380	1-249-429-11	CARBON	10K	5%	1/4W
R385	1-249-413-11	CARBON	470	5%	1/4W
R399	1-249-441-11	CARBON	100K	5%	1/4W
R401	1-247-887-00	CARBON	220K	5%	1/4W
R402	1-249-425-11	CARBON	4.7K	5%	1/4W
R403	1-249-436-11	CARBON	39K	5%	1/4W
R404	1-249-441-11	CARBON	100K	5%	1/4W
R405	1-247-903-00	CARBON	1M	5%	1/4W
R406	1-249-405-11	CARBON	100	5%	1/4W
R407	1-249-438-11	CARBON	56K	5%	1/4W
R408	1-249-426-11	CARBON	5.6K	5%	1/4W
R409	1-249-412-11	CARBON	390	5%	1/4W
R410	1-249-421-11	CARBON	2.2K	5%	1/4W
R412	1-249-437-11	CARBON	47K	5%	1/4W
R413	1-249-437-11	CARBON	47K	5%	1/4W
R418	1-249-417-11	CARBON	1K	5%	1/4W
R419	1-249-405-11	CARBON	100	5%	1/4W
R420	1-249-417-11	CARBON	1K	5%	1/4W
R427	1-247-887-00	CARBON	220K	5%	1/4W
R428	1-249-429-11	CARBON	10K	5%	1/4W
R429	1-249-439-11	CARBON	68K	5%	1/4W
R451	1-247-887-00	CARBON	220K	5%	1/4W

<b>SURROUND(E511)</b>	<b>SURROUND(E611)</b>
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Ref.No.	Part No.	Description	Remark			Ref.No.	Part No.	Description	Remark		
R452	1-249-425-11	CARBON	4.7K	5%	1/4W	C208	1-124-902-00	ELECT	0.47uF	20%	50V
R453	1-249-436-11	CARBON	39K	5%	1/4W	C209	1-164-097-11	CERAMIC	0.022uF		50V
R454	1-249-441-11	CARBON	100K	5%	1/4W	C210	1-124-477-11	ELECT	47uF	20%	25V
R455	1-247-903-00	CARBON	1M	5%	1/4W	C223	1-124-927-11	ELECT	4.7uF	20%	100V
R456	1-249-405-11	CARBON	100	5%	1/4W	C225	1-124-927-11	ELECT	4.7uF	20%	100V
R457	1-249-438-11	CARBON	56K	5%	1/4W	C227	1-124-927-11	ELECT	4.7uF	20%	100V
R458	1-249-426-11	CARBON	5.6K	5%	1/4W	C229	1-124-927-11	ELECT	4.7uF	20%	100V
R459	1-249-412-11	CARBON	390	5%	1/4W	C230	1-124-927-11	ELECT	4.7uF	20%	100V
R460	1-249-421-11	CARBON	2.2K	5%	1/4W	C231	1-124-907-11	ELECT	10uF	20%	50V
R468	1-249-417-11	CARBON	1K	5%	1/4W	C252	1-164-072-11	CERAMIC	120PF	5%	50V
R469	1-249-405-11	CARBON	100	5%	1/4W	C253	1-124-907-11	ELECT	10uF	20%	50V
R470	1-249-417-11	CARBON	1K	5%	1/4W	C254	1-162-284-31	CERAMIC	150PF	10%	50V
R471	1-249-417-11	CARBON	1K	5%	1/4W	C255	1-124-925-11	ELECT	2.2uF	20%	100V
R472	1-249-405-11	CARBON	100	5%	1/4W	C256	1-130-480-00	MYLAR	0.0056uF	5%	50V
R473	1-249-417-11	CARBON	1K	5%	1/4W	C257	1-106-347-00	MYLAR	1500PF	5%	200V
R477	1-247-887-00	CARBON	220K	5%	1/4W	C258	1-124-902-00	ELECT	0.47uF	20%	50V
R478	1-249-429-11	CARBON	10K	5%	1/4W	C259	1-164-097-11	CERAMIC	0.022uF		50V
R479	1-249-439-11	CARBON	68K	5%	1/4W	C260	1-124-477-11	ELECT	47uF	20%	25V
R816	1-249-433-11	CARBON	22K	5%	1/4W	C273	1-124-927-11	ELECT	4.7uF	20%	100V
R819	1-249-433-11	CARBON	22K	5%	1/4W	C275	1-124-927-11	ELECT	4.7uF	20%	100V
R820	1-249-433-11	CARBON	22K	5%	1/4W	C277	1-124-927-11	ELECT	4.7uF	20%	100V
R1001	1-249-427-11	CARBON	6.8K	5%	1/4W	C279	1-124-927-11	ELECT	4.7uF	20%	100V
R1002	1-249-423-11	CARBON	3.3K	5%	1/4W	C280	1-124-927-11	ELECT	4.7uF	20%	100V
R2001	1-249-411-11	CARBON	330		1/4W	C301	1-124-907-11	ELECT	10uF	20%	50V
R2051	1-249-411-11	CARBON	330		1/4W	C302	1-164-062-11	CERAMIC	47PF	5%	50V
< VARIABLE RESISTOR >						C303	1-124-907-11	ELECT	10uF	20%	50V
RV301	1-241-563-11	RES. VAR. CARBON 100KX4 (INCLUDING VOL MOTOR) (MASTER VOLUME)				C308	1-130-480-00	MYLAR	0.0056uF	5%	50V
< CERAMIC >						C309	1-106-359-00	MYLAR	4700PF	5%	200V
X301	1-567-132-00	RESONATOR, CERAMIC	8.00MHz			C310	1-164-082-11	CERAMIC	560PF	10%	50V
*****						C311	1-124-907-11	ELECT	10uF	20%	50V
* A-4345-171-A SURROUND BOARD, COMPLETE (E611)						C312	1-164-083-11	CERAMIC	680PF	10%	50V
*****						C313	1-136-167-00	FILM	0.15uF	5%	50V
< CAPACITOR >						C314	1-164-075-11	CERAMIC	150PF	10%	50V
C000	1-161-494-00	CERAMIC	0.022uF		25V	C315	1-164-097-11	CERAMIC	0.022uF		50V
C004	1-124-927-11	ELECT	4.7uF	20%	100V	C316	1-164-085-11	CERAMIC	0.001uF	10%	50V
C005	1-124-927-11	ELECT	4.7uF	20%	100V	C317	1-124-927-11	ELECT	4.7uF	20%	100V
C007	1-136-177-00	FILM	1uF	5%	50V	C318	1-124-907-11	ELECT	10uF	20%	50V
C202	1-164-072-11	CERAMIC	120PF	5%	50V	C319	1-124-927-11	ELECT	4.7uF	20%	100V
C203	1-124-907-11	ELECT	10uF	20%	50V	C320	1-124-907-11	ELECT	10uF	20%	50V
C204	1-162-284-31	CERAMIC	150PF	10%	50V	C321	1-124-907-11	ELECT	10uF	20%	50V
C205	1-124-925-11	ELECT	2.2uF	20%	100V	C322	1-130-489-00	MYLAR	0.033uF	5%	50V
C206	1-130-480-00	MYLAR	0.0056uF	5%	50V	C323	1-106-359-00	MYLAR	4700PF	5%	200V
C207	1-106-347-00	MYLAR	1500PF	5%	200V	C324	1-130-477-00	MYLAR	0.0033uF	5%	50V
						C325	1-136-163-00	FILM	0.068uF	5%	50V
						C326	1-136-169-00	FILM	0.22uF	5%	50V
						C327	1-164-056-11	CERAMIC	27PF	5%	50V
						C328	1-164-056-11	CERAMIC	27PF	5%	50V
						C329	1-124-472-11	ELECT	470uF	20%	10V
						C330	1-124-927-11	ELECT	4.7uF	20%	100V

## SURROUND(E611)

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C331	1-164-085-11	CERAMIC 0.001uF	10% 50V	C399	1-124-907-11	ELECT 10uF	20% 50V
C332	1-164-097-11	CERAMIC 0.022uF	50V	C400	1-124-907-11	ELECT 10uF	20% 50V
C333	1-164-075-11	CERAMIC 150PF	10% 50V	C401	1-124-927-11	ELECT 4.7uF	20% 100V
C334	1-126-176-11	ELECT 220uF	20% 10V	C402	1-164-058-11	CERAMIC 33PF	5% 50V
C335	1-126-176-11	ELECT 220uF	20% 10V	C403	1-124-477-11	ELECT 47uF	20% 25V
C336	1-124-120-11	ELECT 220uF	20% 25V	C404	1-124-903-11	ELECT 1uF	20% 50V
C337	1-136-165-00	FILM 0.1uF	5% 50V	C405	1-124-903-11	ELECT 1uF	20% 50V
C338	1-124-443-00	ELECT 100uF	20% 10V	C407	1-124-907-11	ELECT 10uF	20% 50V
C339	1-124-907-11	ELECT 10uF	20% 50V	C410	1-124-927-11	ELECT 4.7uF	20% 100V
C340	1-136-165-00	FILM 0.1uF	5% 50V	C411	1-124-927-11	ELECT 4.7uF	20% 100V
C341	1-136-165-00	FILM 0.1uF	5% 50V	C412	1-124-927-11	ELECT 4.7uF	20% 100V
C342	1-164-083-11	CERAMIC 680PF	10% 50V	C413	1-124-927-11	ELECT 4.7uF	20% 100V
C343	1-136-165-00	FILM 0.1uF	5% 50V	C414	1-124-477-11	ELECT 47uF	20% 25V
C344	1-136-165-00	FILM 0.1uF	5% 50V	C450	1-124-907-11	ELECT 10uF	20% 50V
C345	1-164-083-11	CERAMIC 680PF	10% 50V	C451	1-124-927-11	ELECT 4.7uF	20% 100V
C346	1-124-927-11	ELECT 4.7uF	20% 100V	C452	1-164-058-11	CERAMIC 33PF	5% 50V
C347	1-136-169-00	FILM 0.22uF	5% 50V	C453	1-124-477-11	ELECT 47uF	20% 25V
C348	1-136-169-00	FILM 0.22uF	5% 50V	C454	1-124-903-11	ELECT 1uF	20% 50V
C349	1-136-171-00	FILM 0.33uF	5% 50V	C455	1-124-903-11	ELECT 1uF	20% 50V
C350	1-136-171-00	FILM 0.33uF	5% 50V	C460	1-124-927-11	ELECT 4.7uF	20% 100V
C351	1-124-907-11	ELECT 10uF	20% 50V	C461	1-124-927-11	ELECT 4.7uF	20% 100V
C352	1-164-062-11	CERAMIC 47PF	5% 50V	C462	1-124-927-11	ELECT 4.7uF	20% 100V
C353	1-124-907-11	ELECT 10uF	20% 50V	C463	1-124-927-11	ELECT 4.7uF	20% 100V
C358	1-136-171-00	FILM 0.33uF	5% 50V	C2000	1-124-907-11	ELECT 10uF	20% 50V
C359	1-136-171-00	FILM 0.33uF	5% 50V	< CONNECTOR >			
C360	1-164-097-11	CERAMIC 0.022uF	50V	CN102	1-568-802-11	SOCKET, CONNECTOR 19P	
C361	1-164-097-11	CERAMIC 0.022uF	50V	CN302	* 1-568-834-11	SOCKET, CONNECTOR 15P	
C362	1-164-097-11	CERAMIC 0.022uF	50V	CN401	* 1-560-284-11	CONNECTOR, (PIN) 9P	
C363	1-164-097-11	CERAMIC 0.022uF	50V	CN801	1-566-213-11	PIN, CONNECTOR 4P	
C364	1-136-165-00	FILM 0.1uF	5% 50V	CN802	1-566-211-11	PIN, CONNECTOR 4P	
C365	1-126-103-11	ELECT 470uF	20% 16V	CN902	1-560-944-00	PIN, CONNECTOR 7P	
C367	1-136-165-00	FILM 0.1uF	5% 50V	< DIODE >			
C369	1-124-927-11	ELECT 4.7uF	20% 100V	D401	8-719-912-20	DIODE 1SS120	
C370	1-136-169-00	FILM 0.22uF	5% 50V	D402	8-719-912-20	DIODE 1SS120	
C371	1-136-169-00	FILM 0.22uF	5% 50V	D2000	8-719-933-41	DIODE HZS6C3L	
C372	1-124-907-11	ELECT 10uF	20% 50V	< CONNECTOR >			
C373	1-130-483-00	MYLAR 0.01uF	5% 50V	DR101	* 1-564-338-00	PIN, CONNECTOR 4P	
C374	1-124-907-11	ELECT 10uF	20% 50V	DR301	* 1-506-503-11	PIN, CONNECTOR 9P	
C375	1-130-483-00	MYLAR 0.01uF	5% 50V	DR501	* 1-564-339-61	PIN, CONNECTOR 5P	
C376	1-130-483-00	MYLAR 0.01uF	5% 50V	DR802	* 1-564-337-00	PIN, CONNECTOR 3P	
C377	1-124-907-11	ELECT 10uF	20% 50V	DR813	* 1-564-336-00	PIN, CONNECTOR 2P	
C378	1-124-907-11	ELECT 10uF	20% 50V	< IC >			
C379	1-124-907-11	ELECT 10uF	20% 50V	IC200	8-759-634-50	IC M5218AL	
C380	1-124-907-11	ELECT 10uF	20% 50V	IC201	8-759-634-50	IC M5218AL	
C381	1-124-907-11	ELECT 10uF	20% 50V	IC202	8-759-634-50	IC M5218AL	
C382	1-136-165-00	FILM 0.1uF	5% 50V	IC203	8-759-634-50	IC M5218AL	
C383	1-136-169-00	FILM 0.22uF	5% 50V				
C385	1-130-489-00	MYLAR 0.033uF	5% 50V				
C398	1-124-907-11	ELECT 10uF	20% 50V				

## SURROUND(E611)

Ref.No.	Part No.	Description	Remark
IC204	8-759-801-01 IC	LC4966	
IC205	8-759-634-50 IC	M5218AL	
IC206	8-759-805-14 IC	LC7822	
IC207	8-759-000-48 IC	MC14052BCP	
IC254	8-759-801-01 IC	LC4966	
IC301	8-759-634-50 IC	M5218AL	
IC302	8-759-801-01 IC	LC4966	
IC303	8-759-823-63 IC	LV1001M	
IC304	8-759-821-13 IC	LM3364K-15	
IC307	8-759-634-50 IC	M5218AL	
IC308	8-759-512-93 IC	SSM2125	
IC309	8-759-801-01 IC	LC4966	
IC310	8-759-503-96 IC	MSM59371RS	
IC311	8-759-801-01 IC	LC4966	
IC401	8-759-634-50 IC	M5218AL	
IC403	8-759-634-50 IC	M5218AL	
IC404	8-759-820-11 IC	LC7535	

## &lt; JACK &gt;

PJ200	1-565-320-11 JACK, PIN 6P	(PHONO, TUNER, CD IN)
PJ201	1-565-320-11 JACK, PIN 6P	(TAPE/DAT, VIDEO 3/LD IN)
PJ202	1-565-258-11 JACK, PIN 4P	(VIDEO 2 IN)
PJ203	1-565-258-11 JACK, PIN 4P	(VIDEO 1 IN)
PJ204	1-563-562-11 JACK, PIN 4P	(GRAPHIC-EQ IN/OUT)
PJ801	1-565-320-11 JACK, PIN 6P	(FRONT, REAR, CENTER OUT)

## &lt; TRANSISTOR &gt;

Q105	8-729-141-26 TRANSISTOR	2SC3622A-LK
Q106	8-729-141-26 TRANSISTOR	2SC3622A-LK
Q107	8-729-141-26 TRANSISTOR	2SC3622A-LK
Q301	8-729-900-36 TRANSISTOR	DTC124ES
Q302	8-729-900-63 TRANSISTOR	DTA124ES
Q304	8-729-900-36 TRANSISTOR	DTC124ES
Q305	8-729-209-15 TRANSISTOR	2SD2012
Q310	8-729-900-63 TRANSISTOR	DTA124ES
Q311	8-729-900-36 TRANSISTOR	DTC124ES
Q312	8-729-900-63 TRANSISTOR	DTA124ES
Q313	8-729-900-36 TRANSISTOR	DTC124ES
Q314	8-729-900-63 TRANSISTOR	DTA124ES
Q315	8-729-900-36 TRANSISTOR	DTC124ES
Q316	8-729-900-63 TRANSISTOR	DTA124ES
Q317	8-729-900-36 TRANSISTOR	DTC124ES
Q318	8-729-900-63 TRANSISTOR	DTA124ES
Q319	8-729-900-36 TRANSISTOR	DTC124ES
Q330	8-729-900-36 TRANSISTOR	DTC124ES
Q331	8-729-900-36 TRANSISTOR	DTC124ES
Q332	8-729-900-36 TRANSISTOR	DTC124ES
Q333	8-729-900-36 TRANSISTOR	DTC124ES

Ref.No.	Part No.	Description	Remark
Q334	8-729-900-63 TRANSISTOR	DTA124ES	
Q335	8-729-900-36 TRANSISTOR	DTC124ES	
Q336	8-729-900-63 TRANSISTOR	DTA124ES	
Q337	8-729-900-36 TRANSISTOR	DTC124ES	
Q401	8-729-224-61 TRANSISTOR	2SK246-Y	
Q402	8-729-620-05 TRANSISTOR	2SC2603-EF	
Q403	8-729-141-26 TRANSISTOR	2SC3622A-LK	
Q404	8-729-141-26 TRANSISTOR	2SC3622A-LK	
Q405	8-729-141-26 TRANSISTOR	2SC3622A-LK	
Q406	8-729-141-26 TRANSISTOR	2SC3622A-LK	
Q451	8-729-224-61 TRANSISTOR	2SK246-Y	
Q452	8-729-620-05 TRANSISTOR	2SC2603-EF	
Q453	8-729-141-26 TRANSISTOR	2SC3622A-LK	
Q805	8-729-900-63 TRANSISTOR	DTA124ES	
Q806	8-729-900-63 TRANSISTOR	DTA124ES	
Q807	8-729-900-63 TRANSISTOR	DTA124ES	

## &lt; RESISTOR &gt;

R001	1-249-441-11 CARBON	100K 5%	1/4W
R002	1-249-441-11 CARBON	100K 5%	1/4W
R003	1-249-417-11 CARBON	1K 5%	1/4W
R004	1-249-417-11 CARBON	1K 5%	1/4W
R145	1-249-425-11 CARBON	4.7K 5%	1/4W
R146	1-249-425-11 CARBON	4.7K 5%	1/4W
R147	1-249-425-11 CARBON	4.7K 5%	1/4W
R148	1-249-433-11 CARBON	22K 5%	1/4W
R149	1-249-433-11 CARBON	22K 5%	1/4W
R150	1-249-433-11 CARBON	22K 5%	1/4W
R202	1-249-417-11 CARBON	1K 5%	1/4W
R203	1-249-437-11 CARBON	47K 5%	1/4W
R204	1-249-416-11 CARBON	820 5%	1/4W
R205	1-247-897-11 CARBON	560K 5%	1/4W
R206	1-249-437-11 CARBON	47K 5%	1/4W
R207	1-249-441-11 CARBON	100K 5%	1/4W
R208	1-249-409-11 CARBON	220 5%	1/4W
R209	1-249-418-11 CARBON	1.2K 5%	1/4W
R210	1-249-421-11 CARBON	2.2K 5%	1/4W
R211	1-249-413-11 CARBON	470 5%	1/4W
R212	1-249-421-11 CARBON	2.2K 5%	1/4W
R213	1-249-421-11 CARBON	2.2K 5%	1/4W
R214	1-249-413-11 CARBON	470 5%	1/4W
R215	1-249-418-11 CARBON	1.2K 5%	1/4W
R216	1-249-413-11 CARBON	470 5%	1/4W
R217	1-249-418-11 CARBON	1.2K 5%	1/4W
R218	1-249-413-11 CARBON	470 5%	1/4W
R219	1-249-418-11 CARBON	1.2K 5%	1/4W
R220	1-249-437-11 CARBON	47K 5%	1/4W
R221	1-249-435-11 CARBON	33K 5%	1/4W

## SURROUND(E611)

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R222	1-249-435-11	CARBON	33K	5%	1/4W	R326	1-247-852-11	CARBON	7.5K	5%	1/4W
R223	1-249-437-11	CARBON	47K	5%	1/4W	R327	1-247-852-11	CARBON	7.5K	5%	1/4W
R224	1-249-429-11	CARBON	10K	5%	1/4W	R328	1-259-884-11	CARBON	4.7M	5%	1/4W
R225	1-249-422-11	CARBON	2.7K	5%	1/4W	R329	1-249-433-11	CARBON	22K	5%	1/4W
R226	1-249-417-11	CARBON	1K	5%	1/4W	R330	1-249-433-11	CARBON	22K	5%	1/4W
R252	1-249-417-11	CARBON	1K	5%	1/4W	R331	1-249-433-11	CARBON	22K	5%	1/4W
R253	1-249-437-11	CARBON	47K	5%	1/4W	R332	1-249-441-11	CARBON	100K	5%	1/4W
R254	1-249-416-11	CARBON	820	5%	1/4W	R333	1-249-433-11	CARBON	22K	5%	1/4W
R255	1-247-897-11	CARBON	560K	5%	1/4W	R334	1-249-441-11	CARBON	100K	5%	1/4W
R256	1-249-437-11	CARBON	47K	5%	1/4W	R335	1-249-441-11	CARBON	100K	5%	1/4W
R257	1-249-441-11	CARBON	100K	5%	1/4W	R340	1-249-437-11	CARBON	47K	5%	1/4W
R258	1-249-409-11	CARBON	220	5%	1/4W	R341	1-249-437-11	CARBON	47K	5%	1/4W
R259	1-249-418-11	CARBON	1.2K	5%	1/4W	R342	1-249-437-11	CARBON	47K	5%	1/4W
R260	1-249-421-11	CARBON	2.2K	5%	1/4W	R343	1-249-437-11	CARBON	47K	5%	1/4W
R261	1-249-413-11	CARBON	470	5%	1/4W	R344	1-249-429-11	CARBON	10K	5%	1/4W
R262	1-249-421-11	CARBON	2.2K	5%	1/4W	R345	1-249-437-11	CARBON	47K	5%	1/4W
R263	1-249-421-11	CARBON	2.2K	5%	1/4W	R346	1-249-441-11	CARBON	100K	5%	1/4W
R264	1-249-413-11	CARBON	470	5%	1/4W	R348	1-249-437-11	CARBON	47K	5%	1/4W
R265	1-249-418-11	CARBON	1.2K	5%	1/4W	R350	1-247-887-00	CARBON	220K	5%	1/4W
R266	1-249-413-11	CARBON	470	5%	1/4W	R351	1-249-435-11	CARBON	33K	5%	1/4W
R267	1-249-418-11	CARBON	1.2K	5%	1/4W	R352	1-247-887-00	CARBON	220K	5%	1/4W
R268	1-249-413-11	CARBON	470	5%	1/4W	R353	1-249-405-11	CARBON	100	5%	1/4W
R269	1-249-418-11	CARBON	1.2K	5%	1/4W	R370	1-249-425-11	CARBON	4.7K	5%	1/4W
R270	1-249-437-11	CARBON	47K	5%	1/4W	R371	1-249-430-11	CARBON	12K	5%	1/4W
R271	1-249-435-11	CARBON	33K	5%	1/4W	R372	1-247-903-00	CARBON	1M	5%	1/4W
R272	1-249-435-11	CARBON	33K	5%	1/4W	R373	1-247-903-00	CARBON	1M	5%	1/4W
R273	1-249-437-11	CARBON	47K	5%	1/4W	R374	1-247-887-00	CARBON	220K	5%	1/4W
R275	1-249-422-11	CARBON	2.7K	5%	1/4W	R375	1-247-887-00	CARBON	220K	5%	1/4W
R276	1-249-417-11	CARBON	1K	5%	1/4W	R376	1-247-887-00	CARBON	220K	5%	1/4W
R301	1-249-435-11	CARBON	33K	5%	1/4W	R377	1-247-887-00	CARBON	220K	5%	1/4W
R302	1-247-887-00	CARBON	220K	5%	1/4W	R378	1-249-441-11	CARBON	100K	5%	1/4W
R303	1-249-405-11	CARBON	100	5%	1/4W	R379	1-249-429-11	CARBON	10K	5%	1/4W
R309	1-249-428-11	CARBON	8.2K	5%	1/4W	R380	1-249-429-11	CARBON	10K	5%	1/4W
R310	1-249-428-11	CARBON	8.2K	5%	1/4W	R385	1-249-413-11	CARBON	470	5%	1/4W
R311	1-249-431-11	CARBON	15K	5%	1/4W	R398	1-249-429-11	CARBON	10K	5%	1/4W
R312	1-249-428-11	CARBON	8.2K	5%	1/4W	R399	1-249-441-11	CARBON	100K	5%	1/4W
R313	1-249-436-11	CARBON	39K	5%	1/4W	R401	1-247-887-00	CARBON	220K	5%	1/4W
R314	1-249-423-11	CARBON	3.3K	5%	1/4W	R402	1-249-425-11	CARBON	4.7K	5%	1/4W
R315	1-249-437-11	CARBON	47K	5%	1/4W	R403	1-249-436-11	CARBON	39K	5%	1/4W
R316	1-247-903-00	CARBON	1M	5%	1/4W	R404	1-249-441-11	CARBON	100K	5%	1/4W
R317	1-249-429-11	CARBON	10K	5%	1/4W	R405	1-247-903-00	CARBON	1M	5%	1/4W
R318	1-247-887-00	CARBON	220K	5%	1/4W	R406	1-249-405-11	CARBON	100	5%	1/4W
R319	1-249-429-11	CARBON	10K	5%	1/4W	R407	1-249-438-11	CARBON	56K	5%	1/4W
R320	1-249-429-11	CARBON	10K	5%	1/4W	R408	1-249-426-11	CARBON	5.6K	5%	1/4W
R321	1-249-429-11	CARBON	10K	5%	1/4W	R409	1-249-412-11	CARBON	390	5%	1/4W
R322	1-249-437-11	CARBON	47K	5%	1/4W	R410	1-249-421-11	CARBON	2.2K	5%	1/4W
R323	1-249-431-11	CARBON	15K	5%	1/4W	R412	1-249-437-11	CARBON	47K	5%	1/4W
R324	1-249-437-11	CARBON	47K	5%	1/4W	R413	1-249-437-11	CARBON	47K	5%	1/4W
R325	1-249-431-11	CARBON	15K	5%	1/4W	R418	1-249-417-11	CARBON	1K	5%	1/4W

## SURROUND(E611)

## VIDEO IN

## VIDEO MAIN

Ref. No.	Part No.	Description	Remark
R419	1-249-405-11	CARBON	100 5% 1/4W
R420	1-249-417-11	CARBON	1K 5% 1/4W
R421	1-249-417-11	CARBON	1K 5% 1/4W
R422	1-249-405-11	CARBON	100 5% 1/4W
R423	1-249-417-11	CARBON	1K 5% 1/4W
R424	1-249-417-11	CARBON	1K 5% 1/4W
R425	1-249-405-11	CARBON	100 5% 1/4W
R426	1-249-417-11	CARBON	1K 5% 1/4W
R427	1-247-887-00	CARBON	220K 5% 1/4W
R428	1-249-429-11	CARBON	10K 5% 1/4W
R429	1-249-439-11	CARBON	68K 5% 1/4W
R451	1-247-887-00	CARBON	220K 5% 1/4W
R452	1-249-425-11	CARBON	4.7K 5% 1/4W
R453	1-249-436-11	CARBON	39K 5% 1/4W
R454	1-249-441-11	CARBON	100K 5% 1/4W
R455	1-247-903-00	CARBON	1M 5% 1/4W
R456	1-249-405-11	CARBON	100 5% 1/4W
R457	1-249-438-11	CARBON	56K 5% 1/4W
R458	1-249-426-11	CARBON	5.6K 5% 1/4W
R459	1-249-412-11	CARBON	390 5% 1/4W
R460	1-249-421-11	CARBON	2.2K 5% 1/4W
R468	1-249-417-11	CARBON	1K 5% 1/4W
R469	1-249-405-11	CARBON	100 5% 1/4W
R470	1-249-417-11	CARBON	1K 5% 1/4W
R471	1-249-417-11	CARBON	1K 5% 1/4W
R472	1-249-405-11	CARBON	100 5% 1/4W
R473	1-249-417-11	CARBON	1K 5% 1/4W
R475	1-249-405-11	CARBON	100 5% 1/4W
R477	1-247-887-00	CARBON	220K 5% 1/4W
R478	1-249-429-11	CARBON	10K 5% 1/4W
R479	1-249-439-11	CARBON	68K 5% 1/4W
R815	1-249-429-11	CARBON	10K 5% 1/4W
R816	1-249-433-11	CARBON	22K 5% 1/4W
R817	1-249-429-11	CARBON	10K 5% 1/4W
R819	1-249-433-11	CARBON	22K 5% 1/4W
R820	1-249-433-11	CARBON	22K 5% 1/4W
R1000	1-247-887-00	CARBON	220K 5% 1/4W
R1001	1-249-423-11	CARBON	3.3K 5% 1/4W
R1002	1-249-427-11	CARBON	6.8K 5% 1/4W
R2000	1-249-410-11	CARBON	270 5% 1/4W
R2001	1-249-411-11	CARBON	330 1/4W
R2051	1-249-411-11	CARBON	330 1/4W

## &lt; CERAMIC &gt;

X301 1-567-132-00 RESONATOR, CERAMIC 8.00MHz

Ref. No.	Part No.	Description	Remark
	* 1-639-986-11	VIDEO IN BOARD	
		*****	
		< CAPACITOR >	
C124	1-136-177-00	FILM	1uF 5% 50V
		< JACK >	
PJ501	1-580-174-31	JACK, PIN (3P FRONT) (VIDEO INPUT)	
		< RESISTOR >	
R226	1-249-418-11	CARBON	1.2K 5% 1/4W
R276	1-249-418-11	CARBON	1.2K 5% 1/4W
R517	1-247-804-11	CARBON	75 5% 1/4W
		*****	
	* A-4345-172-A	VIDEO MAIN BOARD, COMPLETE (E611)	
	* A-4345-213-A	VIDEO MAIN BOARD, COMPLETE	
		(E511:US, Canadian, AUS)	
	* A-4345-563-A	VIDEO MAIN BOARD, COMPLETE (E511:E)	
		*****	
		< CAPACITOR >	
C500	1-124-927-11	ELECT	4.7uF 20% 100V
C501	1-124-927-11	ELECT	4.7uF 20% 100V
C502	1-124-927-11	ELECT	4.7uF 20% 100V
C503	1-124-471-00	ELECT	1000uF 20% 6.3V
C504	1-124-471-00	ELECT	1000uF 20% 6.3V
C505	1-124-471-00	ELECT	1000uF 20% 6.3V
C507	1-164-097-11	CERAMIC	0.022uF 50V
C508	1-124-927-11	ELECT	4.7uF 20% 100V
C509	1-126-916-11	ELECT	1000uF 20% 6.3V
C550	1-124-120-11	ELECT	220uF 25V (E511:E)
C801	1-164-085-11	CERAMIC	0.001uF 10% 50V (E611)
C802	1-124-477-11	ELECT	47uF 20% 25V (E611)
C803	1-124-477-11	ELECT	47uF 20% 25V (E611)

## &lt; CONNECTOR &gt;

CN104 \* 1-568-824-11 SOCKET, CONNECTOR 5P  
 CNJ500 \* 1-564-358-00 PIN, CONNECTOR 3P (E511:E)

## &lt; DIODE &gt;

D801 8-719-912-20 DIODE 1SS120  
 D802 8-719-912-20 DIODE 1SS120 (E611)  
 D803 8-719-912-20 DIODE 1SS120  
 D804 8-719-912-20 DIODE 1SS120 (E611)  
 D805 8-719-912-20 DIODE 1SS120 (E611)

## VIDEO MAIN

Ref. No.	Part No.	Description	Remark
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## &lt; CONNECTOR &gt;

DR900	* 1-564-336-61	PIN, CONNECTOR 2P	
DR901	* 1-564-338-00	PIN, CONNECTOR 4P	

## &lt; IC &gt;

IC500	8-759-991-77	IC BA7625	
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## &lt; JACK &gt;

J500	1-565-351-11	JACK, PIN 3P (VIDEO 2,3 IN/OUT)	
J501	1-565-351-11	JACK, PIN 3P (VIDEO 1 IN/OUT, MONITOR)	
J800	1-566-819-31	JACK 1P (DRLC IN) (E611)	

## &lt; COIL &gt;

L500	1-410-977-11	INDUCTOR 100uH	
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## &lt; TRANSISTOR &gt;

Q100	8-729-140-98	TRANSISTOR 2SD773-34	
Q500	8-729-141-03	TRANSISTOR 2SA733-QP	
Q501	8-729-141-03	TRANSISTOR 2SA733-QP	
Q502	8-729-141-03	TRANSISTOR 2SA733-QP	
Q801	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q802	8-729-119-76	TRANSISTOR 2SA1175-HFE (E611)	
Q803	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q804	8-729-620-05	TRANSISTOR 2SC2603-EF (E611)	

## &lt; RESISTOR &gt;

R01	△ 1-247-696-11	CARBON 47	1/4W (E611)
R500	1-247-804-11	CARBON 75 5%	1/4W
R501	1-247-804-11	CARBON 75 5%	1/4W
R502	1-247-804-11	CARBON 75 5%	1/4W
R503	1-249-403-11	CARBON 68 5%	1/4W
R504	1-249-429-11	CARBON 10K 5%	1/4W
R505	1-249-403-11	CARBON 68 5%	1/4W
R506	1-249-429-11	CARBON 10K 5%	1/4W
R507	1-249-403-11	CARBON 68 5%	1/4W
R508	1-249-429-11	CARBON 10K 5%	1/4W
R509	1-249-405-11	CARBON 100 5%	1/4W
R510	1-249-405-11	CARBON 100 5%	1/4W
R511	1-249-405-11	CARBON 100 5%	1/4W
R512	1-249-405-11	CARBON 100 5%	1/4W
R513	1-249-405-11	CARBON 100 5%	1/4W
R514	1-249-405-11	CARBON 100 5%	1/4W
R550	△ 1-212-966-00	FUSIBLE 22	1/2W (E511:E)
R800	1-249-417-11	CARBON 1K 5%	1/4W (E611)
R801	1-249-429-11	CARBON 10K 5%	1/4W
R802	1-249-437-11	CARBON 47K 5%	1/4W

Ref. No.	Part No.	Description	Remark
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R803	△ 1-247-688-11	CARBON 10 5%	1/4W F (E611)
R804	1-249-429-11	CARBON 10K 5%	1/4W (E611)
R805	1-249-429-11	CARBON 10K 5%	1/4W (E611)
R806	1-249-437-11	CARBON 47K 5%	1/4W (E611)
R807	1-249-417-11	CARBON 1K 5%	1/4W
R808	1-249-393-11	CARBON 10 5%	1/4W
R809	1-249-425-11	CARBON 4.7K 5%	1/4W (E611)
R810	1-249-425-11	CARBON 4.7K 5%	1/4W (E611)
R811	1-249-429-11	CARBON 10K 5%	1/4W (E611)

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## MISCELLANEOUS

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9	1-690-065-11	WIRE, FLAT TYPE (15 CORE)
10	1-590-237-11	WIRE, FLAT TYPE (19 CORE)
11	1-690-066-11	WIRE, FLAT TYPE (5 CORE)
57	△ 1-569-007-11	ADAPTOR, CONVERSION 2P (E511:E)
58	1-535-530-11	PLUG, JUMPER

CNP901	△ 1-574-902-11	CORD, POWER (E511:E)
CNP901	△ 1-590-083-11	CORD, POWER (E511:AUS)
CNP901	△ 1-590-771-11	CORD, POWER (E511:US, Canadian/E611)

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## ACCESSORIES &amp; PACKING MATERIALS

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1-465-712-11	COMMANDER, STANDARD (RM-P312)
1-558-232-21	CORD (WITH CONNECTOR) (SIRCS) 4P (E511:US, E, AUS/E611)
1-559-533-11	CORD, CONNECTION (E511:US, E, AUS/E611)
1-590-136-31	CORD, CONNECTION (E511:US, E, AUS)
3-753-477-11	MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, CHINESE) (E511:E, AUS)
3-753-477-21	MANUAL, INSTRUCTION (ENGLISH) (E511:US/E611)
4-925-079-01	COVER (6), BATTERY
* 4-931-988-21	INDIVIDUAL CARTON (E511:US, E, AUS)
* 4-931-988-31	INDIVIDUAL CARTON (E611)
* 4-944-501-01	CUSHION

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## HARDWARE LIST

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# 1	7-682-548-09	SCREW +BVT 3X8 (S)
# 2	7-685-646-79	SCREW +BTP 3X8 TYPE2 N-S
# 3	7-621-849-00	SCREW, TAPPING
# 4	7-682-550-04	SCREW +BVT 3X12 (S)

**Note:**  
The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

**Note:**  
Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

